

20010309.qrp v02\_n121.qrl.20010309

Date: Fri, 9 Mar 2001 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2121

QRP-L Digest 2121

Topics covered in this issue include:

- 1) [93529] Re: CW contests for fun  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 2) [93530] OPERATING - USS Kidd, Subs On The Air, QRP-TTF  
by n5ib@juno.com
- 3) [93531] xformer winding  
by "T.W." <wb5qyt@abq.com>
- 4) [93532] FOX: double pelters in cub hunt  
by John Wagner <john@neknetwork.com>
- 5) [93533] PSK-31 low output  
by John Beaston <k7ty@yahoo.com>
- 6) [93534] More stuff for sale.  
by Karl Heimbach <kheimbach@earthlink.net>
- 7) [93535] Fox's  
by SJWHITTON@aol.com
- 8) [93536] More stuff for sale - remembered URL this time.  
by Karl Heimbach <kheimbach@earthlink.net>
- 9) [93537] Fox(s) Thanks  
by SJWHITTON@aol.com
- 10) [93538] FOX The last hunt  
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [93539] FOX- Thanks folks for a good season  
by Kevin L Anderson <k9iua@juno.com>
- 12) [93540] FOX -- Double Foxii -- Great Challenge  
by "Chuck Carpenter" <w5usj@globeco.net>
- 13) [93541] FOX - One Last Pelt! :-)  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 14) [93542] WTB: Scout modules  
by Michael Goins <mgoins@usa.net>
- 15) [93543] Re: Fox(s) Thanks  
by "Goody" <k3ng@fast.net>
- 16) [93544] FOX: It was a Two-fer nite!  
by "Gary O. Lyons" <drgary@urx.com>
- 17) [93545] Of Cub Hunts and Thanks  
by Kenneth Hoglund <hoglund@wfu.edu>
- 18) [93546] Fox- Quitting Cold Turkey  
by Paul Womble <pwomble1@tampabay.rr.com>
- 19) [93547] FOX Hunt: Great season!!

by "Don Wines" <dwines@tyler.net>

20) [93548] FOX  
by "Steve Sorrell" <ap036@detroit.freenet.org>

21) [93549] OP:psk beacon result  
by "Richard Matthews" <prm@hiwaay.net>

22) [93550] FOX: PRELIMINARY LOG - N0IT FOX CUB 3/5/2001  
by Dave Sjolín <sjolin@swbell.net>

23) [93551] Re: PRELIMINARY LOG - N0IT FOX CUB 3/5/2001  
by "Trevor Jacobs" <fxtech@earthlink.net>

24) [93552] Re: [FOX] Cub Fox not heard... you ?  
by Kenneth Hoglund <hoglund@wfu.edu>

25) [93553] Re: LU3MAM on 14.005 @ 0447Z  
by "Paul" <cybrinjn@gis.net>

26) [93554] Re: QRP Most Used Parts  
by "John Moriarity" <k6qq@hdo.net>

27) [93555] HB:Output Filter Question  
by AA3BP@aol.com

28) [93556] K0EVZ ARS Sprint tonight  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>

29) [93557] FOX: Nothins in SC  
by "Ken Kirkley" <ogbc@mindspring.com>

30) [93558] Re: [FOX] Cub Fox not heard... you ?  
by John Wagner <john@neknetwork.com>

31) [93559] 3G0Y on 24.890 Up 2  
by Fred Lesnick <flesnick@tbaytel.net>

32) [93560] [FWD] And They Worry About Cell Phones and Hams!  
by Chris Trask <ctrask@primenet.com>

33) [93561] Re: LU3MAM on 14.005 @ 0447Z  
by "Paul" <cybrinjn@gis.net>

34) [93562] FOX - Substitute Fox is on the Air  
by "David Bixler" <qrp@netins.net>

35) [93563] Another K1 chars the ionosphere...  
by John AE5X <ae5x@juno.com>

36) [93564] Re: QRP for Sale  
by "J. Ervin Bates" <w8erv@earthlink.net>

37) [93565] Free logbooks .....  
by Walter D Amos <walt\_amos@juno.com>

38) [93566] [ForSale-Swap] Technical and Math Books For Sale  
by Chris Trask <ctrask@primenet.com>

39) [93567] Re: [FOX] Cub Fox not heard... you ?  
by "Karl F. Larsen" <k5di@zianet.com>

40) [93568] Passing of the Fox  
by hamjoel@juno.com

41) [93569] Baluns  
by "Karl F. Larsen" <k5di@zianet.com>

42) [93570] [CONTEST] QRP Contest Calendar 3/10-3/31  
by Ken Newman <N2CQ@citnet.com>

43) [93571] Re: Air variable capacitor value

by "Lau, Zack, W1VT" <zlau@arrl.org>  
44) [93572] Re: Baluns  
by Mike Pupeza <mpupeza@altavista.com>  
45) [93573] Re: Baluns  
by Bruce Muscolino <w6toy@erols.com>  
46) [93574] Re: Baluns  
by "Brian" <bmurrey@amexol.net>  
47) [93575] RE: Baluns  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
48) [93576] Re: HB:Output Filter Question  
by "Russ Hines" <radioruss@fuse.net>  
49) [93577] [CONTEST] QRP Contest Calendar 3/10 - 3/31 (Corrected)  
by Ken Newman <N2CQ@citnet.com>  
50) [93578] Re: Manhattan is moving to Arkansas  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
51) [93579] Re: FOX - One Last Pelt! :-)  
by Pat Cain <pcain@onvoymail.com>  
52) [93580] RE: Baluns  
by Nick Kennedy <nkennedy@tcainternet.com>  
53) [93581] Re: Manhattan is moving to Arkansas  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
54) [93582] Baluns  
by "James R. Duffey" <jamesd1@flash.net>  
55) [93583] Re: Baluns  
by Bruce Muscolino <w6toy@erols.com>  
56) [93584] Re: Baluns  
by Bruce Muscolino <w6toy@erols.com>  
57) [93585] FOX: K0PC log Hunt #42  
by Pat Cain <pcain@onvoymail.com>  
58) [93586] Re: Baluns  
by "Trevor Jacobs" <fxtech@earthlink.net>  
59) [93587] Re: Baluns  
by "Karl F. Larsen" <k5di@zianet.com>  
60) [93588] RE: Manhattan is moving to Arkansas  
by Nick Kennedy <nkennedy@tcainternet.com>  
61) [93589] Re: Manhattan is moving to Arkansas  
by "Bill Harbour" <bharbour@co.baldwin.al.us>  
62) [93590] WTB: WBL PADDLES  
by "ck" <ck@icubed.com>  
63) [93591] Re: [FWD] And They Worry About Cell Phones and Hams!  
by Chris Trask <ctrask@primenet.com>  
64) [93592] Re: Balun  
by Glen Leinweber <leinwebe@mcmail.cis.mcmaster.ca>  
65) [93593] Re: Baluns  
by Shephed@aol.com  
66) [93594] Standalone QRP RTTY homebrew system?  
by Kevin Anderson <k9iua@juno.com>  
67) [93595] Re: [FWD] And They Worry About Cell Phones and Hams!

by Russ Dow <n7dw@pacbell.net>  
68) [93596] Re: [FWD] And They Worry About Cell Phones and Hams!  
by Chris Trask <ctrask@primenet.com>  
69) [93597] FWD: Save the power!  
by laura fisher <wlfisher@bellatlantic.net>  
70) [93598] 30 or 17 meters, which would you recommend?  
by KaeseWoche@aol.com  
71) [93599] FS - longish list  
by Michael Goins <mgoins@usa.net>  
72) [93600] Re: 30 or 17 meters, which would you recommend?  
by Shepherd@aol.com  
73) [93601] Re: 30 or 17 meters, which would you recommend?  
by "Mike WA8BXN" <hubby2k@hotmail.com>  
74) [93602] RE: 30 or 17 meters, which would you recommend?  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
75) [93603] Re: Save the power!  
by "Dan W. Dooley" <dandooley@pipeline.com>  
76) [93604] RE: Save the power!  
by "Berry, Dennis J." <DennisB@xetron.com>  
77) [93605] Re: 30 or 17 meters, which would you recommend?  
by Rick Robinson <rerobins@email.uncc.edu>  
78) [93606] N6WG Fox Preliminary Report  
by "Bob Tellefsen" <n6wg@earthlink.net>  
79) [93607] Re: Baluns  
by "Karl F. Larsen" <k5di@zianet.com>  
80) [93608] Balun measurements  
by "Karl F. Larsen" <k5di@zianet.com>  
81) [93609] RE: Baluns  
by "Jason Milldrum" <thecabal@mindspring.com>  
82) [93610] Re: Baluns  
by Mike Pupeza <mpupeza@altavista.com>  
83) [93611] Re: Manhattan is moving to Arkansas  
by "Chuck Adams, K7Q0" <k7qo@primenet.com>  
84) [93612] RE: Baluns  
by "Berry, Dennis J." <DennisB@xetron.com>  
85) [93613] Re: Manhattan is moving to Arkansas  
by "Jay Bromley" <w5jay@alltel.net>  
86) [93614] Re: Save the power!  
by "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>  
87) [93615] Re: Baluns  
by "Rich Wilkerson" <richqrp@home.com>  
88) [93616] Re: Baluns  
by Bruce Muscolino <w6toy@erols.com>  
89) [93617] Re: Save the power!  
by "blinn" <blinn@smgazette.com>  
90) [93618] Re: Save the power!  
by "Dan W. Dooley" <dandooley@pipeline.com>  
91) [93619] SMD to DIP adapter

- by ted kell <tedkell@ev1.net>  
92) [93620] Re: 30 or 17 meters, which would you recommend?  
by "Pastor-KC1DI" <elbc@pivot.net>  
93) [93621] Re: Save the power!  
by Paul Dryer <psdryer@ticnet.com>  
94) [93622] Re: Baluns  
by "ZOOM" <kandrparker@sympatico.ca>  
95) [93623] Re: Baluns  
by "Mike Branca" <w3irz@att.net>  
96) [93624] 425-DX-News #14  
by "Ed Tanton" <n4xy@att.net>

-----  
Date: Thu, 8 Mar 2001 18:28:37 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <wb4mnf@atl.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [93529] Re: CW contests for fun  
Message-ID: <011f01c0a82f\$e1eabac0\$4e100a0a@rohredt2000>

We still do QLF, (send with Left foot) keying contest at our club annual Christmas party with a prize for the winner. It is a challenge, if you do it with a standard key. Most try in sock feet.  
Stuart K5KVH

-----  
Date: Thu, 08 Mar 2001 19:39:45 EST  
From: n5ib@juno.com  
To: qrp-l@Lehigh.edu  
Subject: [93530] OPERATING - USS Kidd, Subs On The Air, QRP-TTF  
Message-ID: <20010308.183556.4655.3.n5ib@juno.com>

The past two days I've been able to slip away between morning classes and night exams to operate a little from our club station, W5KID, aboard the USS Kidd. For the first time in over a year, she's afloat!! The Mississippi River crested at about 35.5 feet yesterday and she's been floating free of her cradle for several days. Feels good to feel the roll when ship wakes reach her.

I went to 14060 and CQ'ed and had five very fine QSOs, almost all of which turned out to be 2 way QRP  
KF8BD, Ken - Argonaut - 5 W  
K9HE, John - 2 W  
AF4PP, Chuck - DSW-20 - 1 W  
KC GGN, Linda - FT-847 10 W, ex-officio QRP, considering it could have

been QRO if she'd wanted  
K4BX, Bill - K-2 # 1856 @ 5 W

I was 5 W from the Ten Tec 544 Triton with a Lionel J-38

The QSO with Linda was memorable, lasted nearly an hour. She's an Extra and has only been a ham about a year and a half. Very FB operator. More than 20 years ago a YL op, Ronda, now N5YX, I think, went down to the FCC office in New Orleans and passed her Extra, which shamed about a dozen of us lazy OMs here to get off our collective duffs and upgrade. So Thanks, Ronda, there was a veritable cascade of Extras in Baton Rouge the next few months.

April 28, the QRP TTF day, is also, if I am correct, Subs On The Air day, and there should be a contingent on the Kidd operating. I will be with W5YW, the LSU Club, at our public observatory (i.e.. Monolith) for the QRP fun. Look for us all, It'll be FUN. The wooden radios will be in full song.

Hal, are the pod pay doors still open? Don't make me come down there.

72  
Jim N5IB

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Date: Thu, 8 Mar 2001 17:25:59 -0700  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [93531] xformer winding  
Message-ID: <MABBIKAEJKMHLIDDMCKGEGFCFAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

I have the original article(QST)on winding tv power xformers for use in low voltage, high current supplies. I have wound a couple, and all work FB. Used

a UA723 and some pass transistors and got an easy 20a at 13v. Even wound one with some #14 TW wire and just left the insulation on the wire!

Will be happy to provide the article to anyone that wants it..

72, Tom WB5QYT...."Have spud will travel!"

PS: Stay away from the xformers that have the "E"s and "I"s impregnated in the tar HI HI!

-----  
Date: Thu, 08 Mar 2001 19:44:31 -0500  
From: John Wagner <john@neknetwork.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93532] FOX: double pelters in cub hunt  
Message-ID: <3AA8276F.12CC230A@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hounds;

I ran a quick script on the draft logs from last nights hunt. Very interesting results.

Log 1 is KB1ENS, Log 2 is W8RUN. 48 hounds double pelted last night!!!  
What's amazing about that is my log has 55 hounds and Rons has 70(!) -  
that's a pretty high percentage of doubles in my opinion. Here they are:

AC5JH: 0203 559 OK TOM 5W -> 0236 559 TOM OK 5W  
AE4IC: 0226 599 NC BOB 5W -> 0230 599 BOB NC 5W  
AF4LQ: 0322 559 KY MIKE 5W -> 0310 579 MIKE KY 5W  
AF4PS: 0200 579 FL MAC 3W -> 0227 559 MAC FL 3W  
K0EVZ: 0233 579 ND DOC 5W -> 0226 599 DOC ND 5W  
K0FRP: 0242 579 CO AL 5W -> 0222 579 AL CO 5W  
K4BYF: 0214 559 FL JACK 5W -> 0202 559 JACK FL 5W  
K4FB: 0312 559 FL PAUL 5W -> 0302 599 PAUL FL 5W  
K4TJD: 0237 559 GA TOM 5W -> 0243 559 TOM GA 5W  
K5DW: 0253 449 TX DAN 2W -> 0250 559 DON TX 5W  
K9IS: 0232 559 WI STEVE 5W -> 0220 559 STEVE WI 5W  
K9IUA: 0217 579 ND KEVIN 5W -> 0233 559 KEVIN ND 5W  
KB1ENS: 0400 559 VT JOHN 5W -> 0305 559 JOHN VT 5W  
KB3EOF: 0229 559 MD MURPHY 3W -> 0246 559 MURPHY MD 3W  
KB9YIG: 0325 559 IN TONY 2W -> 0252 579 TONY IN 2W  
KC1FB: 0204 559 CT JIM 5W -> 0211 559 JIM CT 5W  
KI0II: 0331 559 CA RON 5W -> 0311 559 RON CO 4W

KJ0C: 0250 559 MO JIM 5W -> 0238 589 JIM MO 5W  
KK5LD: 0342 559 TX DAN 5W -> 0209 559 DAN TX 5W  
KM1Z: 0352 559 VT FRAN 5W -> 0307 559 FRAN VT 5W  
KV4EE: 0244 449 SC CRAIG 5W -> 0239 559 CRAIG SC 5W  
N0IT: 0326 559 MO DAVE 5W -> 0319 559 DAVE MO 5W  
N1TP: 0219 579 FL TOM 5W -> 0241 559 TOM FL 5W  
N3AO: 0222 55N PA CARTER 5W -> 0229 559 CARTER PA 5W  
N4ROA: 0209 579 VA DAVE 100mw -> 0213 579 DAN VA 100MW  
N4VM: 0344 559 559 TN BRYN 5W -> 0254 559 BRYN TN 5W  
N8VAR: 0212 559 OH RON 5W -> 0206 559 RON OH 5W  
N9WW: 0333 559 IL JIM 5W -> 0329 579 JIM IL 5W  
N04D: 0239 559 SC KEN 5W -> 0235 559 KEN SC 5W  
NU8S: 0211 559 OH DENNIS 5W -> 0207 559 DENNIS OH 5W  
NV4V: 0346 559 KY PETE 5W -> 0348 559 PETE KY 5W  
VA6RF: 0252 55N AB EARL 5W -> 0258 559 EARL AB 5W  
W0CH: 0228 579 MO DAVE 5W -> 0223 579 DAVE MO 5W  
W0JOE: 0337 559 MO JOE 5W -> 0340 559 JOE MO 5W  
W2XN: 0243 559 FL FRED 5W -> 0248 559 FRED FL 5W  
W3PNL: 0207 579 PA JOE 3W -> 0215 579 JOE PA 3W  
W3SMK: 0231 599 NJ STEVE 5W -> 0242 599 STEVE NJ 5W  
W5YR: 0240 559 TX GEORGE 5W -> 0249 559 GEORGE TX 5W  
W8RU: 0304 559 MI RON 5W -> 0000 FOX RON MI 5W  
W8YMO: 0335 579 OH HARRY 5W -> 0326 579 HARRY OH 5W  
W9HL: 0235 579 IL RANDY 5W -> 0205 579 RANDY IL 5W  
W9WIS: 0205 559 WI MIKE 5W -> 0210 559 MIKE WI 5W  
W9XU: 0223 55N WI LON 5W -> 0219 559 LON WI 5W  
WA8BXN: 0256 559 OH MIKE 5W -> 0314 559 MIKE OH 5W  
WB8ICN: 0308 55N MI MIKE 5W -> 0245 579 KEN MI 5W  
WB8RCR: 0236 559 MI JOHN 5W -> 0330 559 JOHN OH 5W  
WB8WTU: 0324 559 OH DENNIS 5W -> 0308 559 DENNIS OH 5W  
WU9F: 0357 559 WI TERRY 5W -> 0356 559 TERRY WI 5W

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

-----  
Date: Thu, 8 Mar 2001 17:02:43 -0800 (PST)  
From: John Beaston <k7ty@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Subject: [93533] PSK-31 low output  
Message-ID: <20010309010243.53791.qmail@web10007.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii



I just completed my PSK-31 and it's only got 1W output. I believe I did the alignment correctly and everything else works as advertised. The final transistor isn't one on the list as having low output problems. Any first-step troubleshooting tips?

-John K7TY

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Date: Thu, 08 Mar 2001 19:18:13 -0600

From: Karl Heimbach <kheimbach@earthlink.net>

To: boatanchors@qth.net, boatanchors@listserv.tempe.gov, HEATH@listserv.tempe.gov, milsurplus@qth.net, qrp-l@Lehigh.edu, tentec@qth.net, Ten-Tec Reflector <tentec@contesting.com>

Subject: [93534] More stuff for sale.

Message-ID: <5.0.2.1.2.20010308191311.00a5d158@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Ladies and gentlemen,

Thank you all for the great response and for helping me down size to accommodate the new shack. Have reduced prices on some items and have added a Hickok Signal Generator and more boatanchor stuff.

Please have a look if interested.

Karl - W5QJ

-----  
Date: Thu, 8 Mar 2001 20:34:12 EST

From: SJWHITTON@aol.com

To: qrp-l@lehigh.edu

Subject: [93535] Fox's

Message-ID: <f6.7f3ecd3.27d98d14@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Can someone tell me who the two foxes are for tonight (Thur)?

cant get into the website. Thanks  
K9IS  
Steve Whitton

-----  
Date: Thu, 08 Mar 2001 19:41:49 -0600  
From: Karl Heimbach <kheimbach@earthlink.net>  
To: boatanchors@qth.net, HEATH@LISTSERV.TEMPE.GOV, milsurplus@qth.net, qrp-  
l@Lehigh.edu, tentec@qth.net, Ten-Tec Reflector <tentec@contesting.com>  
Subject: [93536] More stuff for sale - remembered URL this time.  
Message-ID: <5.0.2.1.2.20010308193947.00a767b8@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ladies and gentlemen,

Thank you all for the great response and for helping me down size to  
accommodate the new shack. Have reduced prices on some items and have  
added a Hickok Signal Generator and more boatanchor stuff.

Please have a look if interested.

<http://home.earthlink.net/~kheimbach/>

Karl - W5QJ

-----  
Date: Thu, 8 Mar 2001 20:53:35 EST  
From: SJWHITTON@aol.com  
To: qrp-l@lehigh.edu  
Subject: [93537] Fox(s) Thanks  
Message-ID: <6.13265b56.27d9919f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Thanks to all of you for the quick response as to who the fox(s) were to be.  
Good Luck!  
K9IS  
Steve Whitton

-----  
Date: Thu, 8 Mar 2001 19:55:02 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-1@lehigh.edu>  
Subject: [93538] FOX The last hunt  
Message-ID: <Pine.LNX.4.31.0103081949300.2159-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

There are 2 Fox, one on 7.036.7 and the other on 7.041.2 MHz. They are K0PC Pat and N6WG Bob. There is Pactor, guys calling CQ plain noise and intentional interference and idiots trying to get the CQ station to QSY. With this kind of poor operating I wonder why I stay on 40 meters, and even more why I keep trying to work the Fox?

To say the least, the fun is out of Fox Hunting for me. It has never been worse and it seems to get worse with every hunt. Thank God this is the last for this season!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Thu, 08 Mar 2001 22:00:56 EST  
From: Kevin L Anderson <k9iua@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [93539] FOX- Thanks folks for a good season  
Message-ID: <20010309.025820.5367.1.K9IUA@juno.com>

Unless something has happened and I am not in the logs, I have now caught the last two foxes of the season. (And on the night of a full moon no less :-).

Thanks for a great 40m season for foxhunt, both to the Foxii and the hunters. Besides the challenge of catching a Fox, I enjoy being amongst the group of QRP operators (I guess I'm just a "groupie" <grin>).

I hope to see you all on the air for other QRP events and general operating.

Cheers/73. Kevin, K9IUA, QRP in North Dakota  
\*\*\*\*\*  
Kevin Anderson, K9IUA, Lincoln/Bismarck ND  
e-mail: K9IUA@juno.com Opinions all my own.

\* \* \* \* \*

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-----  
Date: Thu, 08 Mar 2001 21:24:38 -0600

From: "Chuck Carpenter" <w5usj@globeco.net>

To: qrp-l@Lehigh.EDU

Subject: [93540] FOX -- Double Foxii -- Great Challenge

Message-ID: <3.0.2.32.20010308212438.006ac978@mail.globeco.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

This last hunt of the winter season was a real rush. Getting both within 15 minutes of each other just added to the pleasure.

The QRM surrounding K0PC just added to the thrill of success. Bringing the CW signal out of all the digital stuff made the catch even more special.

Hunting the QRP-L fox has helped my DX catches considerably. I'm no longer hesitant to give it a try when I hear a pileup.

Looking forward to the summer hunt and to the next winter season. A big thanks to the QRP-L Foxhunt committee.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

RARA #3, NETXQRP <http://www.angelfire.com/tx4/netxqrpclub/>

[TMPS] Qs - 71, States - 28, DX - 18, 3W to HF9V (or W9INN Inv V)

-----  
Date: Thu, 8 Mar 2001 21:24:24 -0600

From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [93541] FOX - One Last Pelt! :-)

Message-ID: <200103090324.AA00890@bolshoi.cc.misu.nodak.edu>

Content-Type: text/plain

Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

After a long drought, I managed to work K0PC for pelt #3 in a pretty sparse season. Had to break out the secret weapon, a 1W amp, to bring him to bag, but it worked nicely, and the big gun turned the trick 23 minutes into the hunt. :-)

Have to admit, 250 mW to a wet noodle just doesn't cut it for 40m foxii. Spent many a Tuesday and Thursday evening trying to get my whisper heard above the bay of the rest of the hounds. Don't get me wrong, I think 250 mW to a decent antenna can be fairly competitive, but you \*have\* to have a good antenna to make milliwatting pay in the hunts. Lesson learned! :-)

I'm looking forward to the summer hunts, as even with the QRM/QRN we've had from numerous sources on 40 this winter, the hunts have been an education, as well as sometimes frustratingly good fun. :-) Thanks to Doc and the rest of the hunt committee for a fun run on 40, to all the foxii for their efforts and talent in fishing us hounds out of the pile, and to the vast majority of hounds for their usually pretty considerate operating in the pile! :-)

72/73,

Todd AG0T  
QRP-L #2211, ND

-----  
Date: 8 Mar 2001 22:46:45 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-l@LeHigh.EDU  
Subject: [93542] WTB: Scout modules  
Message-ID: <20010309034645.21332.qmail@aw162.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Found a 40 meter module, but still need some in the 10-20 meter range. Wi=11  
buy outright or possibly trade. Thanks.  
mike  
wb5yjx

-----  
Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>  
-----

Date: Thu, 8 Mar 2001 21:32:47 -0500  
From: "Goody" <k3ng@fast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93543] Re: Fox(s) Thanks  
Message-ID: <001d01c0a841\$3b8534a0\$0269a8c0@pohopoco>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

ummm.... I can't get to the website either. Could someone announce to the list who is supposed to be on.

Thanks and 72 !  
Goody  
K3NG

EPA QRP #68 K1 # 505

----- Original Message -----  
From: <SJWHITTON@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, March 08, 2001 20:53  
Subject: Fox(s) Thanks

> Thanks to all of you for the quick response as to who the fox(s) were to be.  
> Good Luck!  
> K9IS  
> Steve Whitton  
>

-----  
Date: Thu, 8 Mar 2001 20:02:07 -0800  
From: "Gary O. Lyons" <drgary@urx.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [93544] FOX: It was a Two-fer nite!  
Message-ID: <000501c0a84d\$b5f11e00\$28d56bce@G\_Lyons>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="utf-8"  
Content-Transfer-Encoding: 7bit

What a way to end the season! From mid-December to this week I couldn't scare up a single pelt. Then I caught Ben on Tuesday nite and both Pat and

Bob tonite. The ability to work through QRN/QRM and the patience to spend the effort needed to pull the weak ones thru are attributes of the dedicated QRPer. Kudos to all of the foxes for the season.

I can't wait until next season.

72, Gary/K7KY

DSW-20, Corsair II at 5w, and a wire under the eaves.

-----  
Date: Thu, 08 Mar 2001 23:04:50 -0500  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93545] Of Cub Hunts and Thanks  
Message-ID: <3AA85661.2410543A@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

With the close of the "Cub season," I began to wax nostalgic (and wanted to escape grading mid-term exams). Looked over the log to see when I developed this addiction, and recalled that late in October I listened in to several sessions. Realized that (1) there sure were a lot of hounds and (2) I could do this. The first hunt I joined was Oct. 31 when I snagged Dave NOIT, and have been in most since then. Have had some successes, some frustrations, and a whopping good time.

What the Cub events have done most for me is improve my listening skills. Last night, for instance, John KB1ENS was calling cq while there was terrific qsb and a local qso right over top. Was I dissuaded? Nope, focussed hard, and kept shooting as I had opportunity (sri John, never did hit you; you sure that little ole 'Yaesu thing was on receive?). Part of the fun for me now is hearing the calls of so many familiar folks from the list. Got one of those WAS maps that several folks were commenting on some months back and began coloring in the states worked with the Cub hunts. The Midwest is pretty solid nowadays, thanks to this event. If someone in October had told me I would be where I am today, I would have thought they were nuts. Now the question around the qth Tuesday and Thursday mornings is, "Did you catch the fox?"

So thanks to the Foxii who offered themselves up for such mistreatment. Can't imagine the panic one must feel to hear the thundering heards of calls that can be heard at the beginnings of the hunts. And a special thanks to the organizers and the website meisters, and all who have made this ham look forward to the Fall. You guys have done real good!

73

Ken KG4FGC

-----  
Date: Thu, 08 Mar 2001 23:09:31 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [93546] Fox- Quitting Cold Turkey  
Message-ID: <3AA8577B.671C664A@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Two pelts for the K1 tonight. Getting both pelts, with a rig I built, among all the digital and QRO and QRM just makes it all the better.

But this just quitting all at once is bad. I've already gotten withdrawls started.

I should have recorded some hunts for a quick fix.

Great fun this fox hunting!

73

Paul K4FB

-----  
Date: Thu, 8 Mar 2001 22:17:09 -0600  
From: "Don Wines" <dwines@tyler.net>  
To: "QRP-L LIST" <qrp-l@lehigh.edu>  
Subject: [93547] FOX Hunt: Great season!!  
Message-ID: <007c01c0a84f\$cf94eba0\$129186d0@gateway>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Fox Hunt Gang,



What a great season! I want to thank the organizers for putting together this little activity! You folks did a wonderful job. And I'm really looking forward to the summer hunt's.

I discovered the Fox Hunt last season and worked about the last third of it. It got the Ham Radio juices flowing for me again after nearly 15 years off the air. I have never been a contester and probably never will be, but this is just pure fun!!

Thanks again!!

72

Don, K5DW

k5dw@arrl.net

QRP-L #2083 QRP-ARCI #10145 NETXQRP #3

Visit the NETXQRP Web Site at [www.netxqrp.org](http://www.netxqrp.org)

-----  
Date: Fri, 9 Mar 2001 04:18:08 -0000  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [93548] FOX  
Message-ID: <008d01c0a84f\$f5112c40\$a1fa070a@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, it was a two fer tonite but not an easy one. Pat in MN blew my ears off and the AGC in the K1 had to work overtime. He was the loudest fox I ever heard from this QTH. Now Bob in CA was another story, just barely poking his nose out of his hole here. I was getting a little discouraged with working him when at 0340 wammo, dead fox. WOWZERS!  
Well, snivel, snarf, whine and complain, the fox season is over. What to do? whine.

Maybe next year go back to sending QRP-L nos:? Getting WAY TOO MANY QRO types in the fox hunts. Used to be, the fox pile up was a buzz near the fox frequency, now its causing the audio AGC's in our little rigs to go nutso. Thanks to all the guys and gals that were Foxes this year. See ya next fall  
72 de  
Steve Sorrell, W8SFF

-----

Date: Fri, 9 Mar 2001 04:19:37 -0000  
From: "Richard Matthews" <prm@hiwaay.net>  
To: "q" <qrp-1@Lehigh.edu>  
Subject: [93549] OP:psk beacon result  
Message-ID: <009401c0a850\$282c0f00\$6f85150c@scottsboro.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Stations reporting at 0350UTC March 9

WA2PHW	TOM	Golden Valley, MN
N4SO	Ken	Mobile, AL
KB3EOF	David	Middleton, MD
KC4WSB	Jonathan	Warrenton, VA
N4ZPT	Tom	Vienna, VA
KC0EM	VC	Benmji, Mn
WB2TQE	howard	Cocanut creek, Fl
NC90	Skip	ILL
N1XTX	Keith	Tolland, Cn

Thanks to all the listeners and the reports.

WA2PHW was the first to report hearing both sessions of the beacon and correctly reported the CODE WORDS. Tom was just short of a clean sweep and was just barely beaten out by Keith N1XTX in Conn, 900 miles, for the most distant receiving station . . . I will give other stations until tomorrow morning to report in from a more distant location.

Some stations reported 100 % copy, some reported just barely copy . . .all reported having fun and want to do it again soon.

Next time the power will be <100 milliwatts, one half what it was tonight. My compliments on your excellent ears.

Thanks for the fun and I'll get the certificates in the mail soon.

73

Richard WA4NWW keep warbling

-----

Date: Thu, 08 Mar 2001 23:23:07 -0600

From: Dave Sjolin <sjolin@swbell.net>  
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>  
Subject: [93550] FOX: PRELIMINARY LOG - N0IT FOX CUB 3/5/2001  
Message-ID: <3AA868BB.320F9D9B@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Attached is my preliminary log for the Cub Fox hunt Monday night where I subbed for WA7SPY. A total of 45 pelts even though I missed the first 40 minutes of the hunt. Thanks guys.

Several milliwatters broke the pileup again: N4ROA (200 mw), WD5CMA (400 mw), and AF4PS (200 mw). Congrats!

I retyped this log from my hand scratched log, so if you see any errors that need to be fixed please let me know in the next day or so.

Thanks again to all for a fun night. Hope to see you all in the Summer Hunts.

73 de Dave, N0IT

UTC	CALL	RST	STATE	NAME	POWER
02:40	W0CH	579	MO	DAVE	5W
02:41	W6ABC	559	CA	JACK	5W
02:43	AF4PS	569	GA	MAC	4W
02:45	AA7XA	559	OR	FRANK	5W
02:46	KE0WW	559	MN	MIKE	4W
02:49	AC5II	599	OK	DON	4W
02:50	K9IUA	559	ND	KEVIN	5W
02:51	WR50	559	TX	DAVE	5W
02:53	KB3EOF	559	MD	MURPHY	5W
02:57	N1TP	559	FL	TOM	5W
03:01	N4ROA	599	VA	DAN	200MW
03:03	K50I	599	FL	TIM	5W
03:04	KC1FB	559	CT	JIM	5W
03:06	KC0GXX	579	NE	TOM	3W
03:08	WB8ICN	589	MI	MIKE	5W
03:09	KI0II	599	CO	RON	2W
03:11	K4TJD	579	GA	TOM	5W
03:12	AA7EQ	559	AZ	BOB	5W
03:14	W3PNL	559	PA	JOE	3W
03:15	N0KLV	559	MN	KEVIN	5W
03:17	KK5LD	559	TX	NEAL	5W
03:18	W9HL	579	IL	RANDY	5W
03:19	AF4LQ	569	KY	MIKE	5W

03:20	N4VM	559	TN	BRYN	5W
03:22	W2XN	559	FL	FRED	4W
03:24	W3SMK	559	NJ	STEVE	5W
03:27	KG4FGC	339	NC	KEN	5W
03:29	KB1ENS	559	VT	JOHN	5W
03:31	WA0SXV	559	MO	MIKE	2W
03:32	K5DI	569	NM	KARL	5W
03:35	WB8WTU	559	OH	DENNIS	5W
03:38	W8YMO	579	OH	HARRY	4W
03:39	K0EVZ	579	ND	DOC	5W
03:40	K5PSH	559	TX	JERRY	4W
03:43	WD5CMA	559	LA	GLORIA	400MW
03:45	W5YW	559	LA	MIKE	1W
03:47	KB7WW	559	OR	ART	5W
03:49	N0HRL	559	MN	KEN	5W
03:51	K4BYF	589	FL	JACK	5W
03:54	WA7TQK	559	ID	BILL	2W
03:55	N5IB	569	LA	JIM	5W
03:56	K5DW	579	TX	DON	4W
03:59	AF4PS	569	GA	MAC	200MW
04:00	NF0R	579	MO	DAVE	4W
04:00	N0IT	599	MO	DAVE	5W

-----

Date: Thu, 8 Mar 2001 22:43:54 -0800  
 From: "Trevor Jacobs" <fxtech@earthlink.net>  
 To: <sjolin@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
 Subject: [93551] Re: PRELIMINARY LOG - N0IT FOX CUB 3/5/2001  
 Message-ID: <002a01c0a864\$4fd18120\$25e4b3d1@tjacobs>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

Thanks Dave for jumpin' in there, but for those of us on the West coast that were looking for WA7SPY, it really didn't help. I had 0 copy on you here in CA. While I'm on the subject, the East Coast to West Coast ratio of stations in the hunt seem to lean pretty heavy to the East! Would be nice to have a more even hunt. BTW Glenn, hope you just got called out of town on an aircraft repair and nothing bad happened! Take care all....

73 Trev  
 KG6CYN

----- Original Message -----

From: Dave Sjolin <sjolin@swbell.net>  
 To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, March 08, 2001 9:23 PM

Subject: FOX: PRELIMINARY LOG - N0IT FOX CUB 3/5/2001

>  
> Attached is my preliminary log for the Cub Fox hunt Monday night where I  
> subbed for WA7SPY. A total of 45 pelts even though I missed the first  
> 40 minutes of the hunt. Thanks guys.  
>  
> Several milliwatters broke the pileup again: N4ROA (200 mw),  
> WD5CMA (400 mw), and AF4PS (200 mw). Congrats!  
>  
> I retyped this log from my hand scratched log, so if you see any errors  
> that need to be fixed please let me know in the next day or so.  
>  
> Thanks again to all for a fun night. Hope to see you all in the Summer  
> Hunts.  
>  
> 73 de Dave, N0IT  
>  
> UTC CALL RST STATE NAME POWER  
> 02:40 W0CH 579 MO DAVE 5W  
> 02:41 W6ABC 559 CA JACK 5W  
> 02:43 AF4PS 569 GA MAC 4W  
> 02:45 AA7XA 559 OR FRANK 5W  
> 02:46 KE0WW 559 MN MIKE 4W  
> 02:49 AC5II 599 OK DON 4W  
> 02:50 K9IUA 559 ND KEVIN 5W  
> 02:51 WR50 559 TX DAVE 5W  
> 02:53 KB3EOF 559 MD MURPHY 5W  
> 02:57 N1TP 559 FL TOM 5W  
> 03:01 N4ROA 599 VA DAN 200MW  
> 03:03 K5OI 599 FL TIM 5W  
> 03:04 KC1FB 559 CT JIM 5W  
> 03:06 KC0GXX 579 NE TOM 3W  
> 03:08 WB8ICN 589 MI MIKE 5W  
> 03:09 KI0II 599 CO RON 2W  
> 03:11 K4TJD 579 GA TOM 5W  
> 03:12 AA7EQ 559 AZ BOB 5W  
> 03:14 W3PNL 559 PA JOE 3W  
> 03:15 N0KLV 559 MN KEVIN 5W  
> 03:17 KK5LD 559 TX NEAL 5W  
> 03:18 W9HL 579 IL RANDY 5W  
> 03:19 AF4LQ 569 KY MIKE 5W  
> 03:20 N4VM 559 TN BRYN 5W  
> 03:22 W2XN 559 FL FRED 4W  
> 03:24 W3SMK 559 NJ STEVE 5W  
> 03:27 KG4FGC 339 NC KEN 5W

> 03:29 KB1ENS 559 VT JOHN 5W  
> 03:31 WA0SXV 559 MO MIKE 2W  
> 03:32 K5DI 569 NM KARL 5W  
> 03:35 WB8WTU 559 OH DENNIS 5W  
> 03:38 W8YMO 579 OH HARRY 4W  
> 03:39 K0EVZ 579 ND DOC 5W  
> 03:40 K5PSH 559 TX JERRY 4W  
> 03:43 WD5CMA 559 LA GLORIA 400MW  
> 03:45 W5YW 559 LA MIKE 1W  
> 03:47 KB7WW 559 OR ART 5W  
> 03:49 N0HRL 559 MN KEN 5W  
> 03:51 K4BYF 589 FL JACK 5W  
> 03:54 WA7TQK 559 ID BILL 2W  
> 03:55 N5IB 569 LA JIM 5W  
> 03:56 K5DW 579 TX DON 4W  
> 03:59 AF4PS 569 GA MAC 200MW  
> 04:00 NF0R 579 MO DAVE 4W  
> 04:00 N0IT 599 MO DAVE 5W  
>  
>

-----  
Date: Mon, 05 Mar 2001 21:15:11 -0500  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [93552] Re: [FOX] Cub Fox not heard... you ?  
Message-ID: <3AA4482F.CDFCFC3B@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

None in NC.

Ken KG4FGC

-----  
Date: Mon, 5 Mar 2001 21:44:41 -0500  
From: "Paul" <cybrinjn@gis.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [93553] Re: LU3MAM on 14.005 @ 0447Z  
Message-ID: <001201c0a5e7\$65beb7c0\$d32f29d8@cybrinjn>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Actually, I AM having one of those Moondays :^o  
(and it ain't even fool mune yet...)  
Paul KB1GEJ

----- Original Message -----  
From: david gauding <david.gauding@bbs.galilei.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, March 05, 2001 8:27 PM  
Subject: Re: LU3MAM on 14.005 @ 0447Z

> Paul,  
>  
> Well sort of, maybe. I wasn't too hot in geography. Hot about "west side"?  
<g>  
>  
> Can't tell time either. The QSO time was 0047Z.  
>  
> Ever have one of those Monday's?  
>  
>  
>  
> de Dave, NFOR      nf0r@slacc.com  
>  
> At 08:18 PM 3/5/01 -0500, you wrote:  
> >Wait -- Argentina has a west coast? Does Chile know this? They may want  
to  
> >investigate...  
> >  
> >Paul KB1GEJ  
> >  
> >----- Original Message -----  
> >From: david gauding <david.gauding@bbs.galilei.com>  
> >To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> >Sent: Monday, March 05, 2001 7:42 PM  
> >Subject: LU3MAM on 14.005 @ 0447Z  
> >  
> >  
> > > LU3MAM on 14.005 @ 0447Z  
> > >  
> > > Dan in Mendoza on the west coast and half-way down the continent.  
> > >  
> > > Beautiful signal. Calling CQ. No waiting! <g>  
> > >  
> > > Using 2W from Argo 515 to SLQ vertical.

> > >  
> > > Good luck,  
> > >  
> > >  
> > >  
> > >  
> > > de Dave, NF0R      nf0r@slacc.com  
> > >  
>

-----  
Date: Mon, 5 Mar 2001 17:26:01 -0800  
From: "John Moriarity" <k6qq@hdo.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [93554] Re: QRP Most Used Parts  
Message-ID: <001401c0a5dc\$6a858fa0\$92414cd1@johnmori>

> I'm starting to put together the Iowa QRP 10 meter rig, and I just  
noticed  
> that Dan's Small Parts at <http://www.fix.net/dans.html> has a fairly  
new  
> catalog, updated at the end of February. To my great relief, he still  
has  
> geranium diodes. I've used these for several projects, and they look  
and  
> smell great. Only problem is, you have to water your rig  
occasionally.

That's why I use \*gerManium\* diodes - no watering ;-)

73,

John, K6QQ

-----  
Date: Mon, 05 Mar 2001 10:25:51 EST  
From: AA3BP@aol.com  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [93555] HB:Output Filter Question  
Message-ID: <34.11b99812.27d50a00@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit



Ok, folks, here's one that's going to make it clear that despite all the solder I've melted, I've still got a ways to go. But, I gotta ask...

In reviewing the NB6M Miniboots (RF pwr amp) specs, I note that Wayne includes two value tables for the output filter: one for the 10 watt version, and another for the 5 watt max version - and they are significantly different.

Question: Can someone explain to me in layman's language (no formulas with a "j" in them, pse) why the filter is different depending on power output. I thought the purpose of an FL1 was to set a freq cutoff for the output, in which case I wouldn't see the need for a difference between 5 and 10 watts. What happens if I, for arguments sake, build for the 10 watt level and then reduce power to 5 watts? I suspect that my accountant brain is missing something, but what???

Tnx!

Jim, AA3BP  
Mechanicsburg, PA

-----  
Date: Tue, 6 Mar 2001 00:08:15 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [93556] K0EVZ ARS Sprint tonight  
Message-ID: <200103060008\_MC2-C7C2-94EB@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8BIT  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

As others have noted.....the ARS Sprint tonight was a real blast. I started out on 40 Metres, switched to 20, and then finished back on 40 Metres.

On 20 there were 27 QSOes in 16 SPCs.

On 40 there were 44 QSOes in 36 SPCs.

Setup was the K1 at 5 watts to the HSQ up 36', or sometimes the 540' horizontal loop up 33. As always, I was pleasantly surprised by how LOUD many of your signals were. Gosh. Thanks to one and all who dropped by :-)

72,

--Doc/K0EVZ.

-----  
Date: Mon, 5 Mar 2001 21:17:20 -0000  
From: "Ken Kirkley" <ogbc@mindspring.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [93557] FOX: Nothins in SC  
Message-ID: <001601c0a5b9\$ab2f23e0\$1ab1f7a5@default>

So far no fox and no hounds in SC...

73,  
Ken/N04D

-----  
Date: Mon, 05 Mar 2001 21:46:13 -0500  
From: John Wagner <john@neknetwork.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [93558] Re: [FOX] Cub Fox not heard... you ?  
Message-ID: <3AA44F75.CA7EAA06@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nada here in VT. Just had a quick QSO on 7.142.5 with A4FPS down in FL and he didn't hear him either.

I'm gonna call CQ for a bit on my new (to me) FT-817 on 7.141 or so. Jump in for a QSO if you hear me.

73,

John, KB1ENS

Michael Melland wrote:

>  
> No discernable cub fox yet tonight... nor any hounds calling heard in my  
> part of Wisconsin. Anyone else ?  
> --  
> Michael Melland, W9WIS  
> Winneconne, Wisconsin, USA EN54pc  
> QRP-L #1656 QRP-ARCI #9875  
> IPARC #252 SOC #142  
> <http://www.vbe.com/~badger>

John Wagner - john@neknetwork.com  
Web page: <http://www.neknetwork.com>

Just worked 3G0Y on 24 mHz running 3 watts into my 30 metre dipole, quiet on 24 mHz, but a heck of a pile up for him on 21 mHz(21.007...

Fred  
VE3FAL

Saw this yesterday on the rec.radio.amateur.antennas newsgroup, and remembered that it wasn't that long ago that there was some discussion here about exposure to EM fields from cell phones.

[illegible]

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)

| | | | \ '.  
c\_\_; c\_\_; '-..'>.\_

<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

----- Forwarded message -----

From: k3bu@aol.com (Yuri Blanarovich)

Newsgroups: rec.radio.amateur.antenna

Date: 05 Mar 2001 05:09:05 GMT

Subject: And they worry about cell phones and hams! - (mad human disease?)

This found at

<http://www.cnn.com/2001/TECH/science/03/02/new.weapon.02/index.html>

I hope that FCC and ARRL will now modify the RF exposure standards.

Here is the proof that RF is harmless :-)

What would we do without our "allcaring" governments?

Yuri, K3BU

Tesla RC N2EE

\*\*\*\*\*

>>>Pentagon's latest weapon: a pain beam

Computer rendering of proposed Vehicle Mounted Active Denial System prototype

March 2, 2001

Web posted at: 3:02 p.m. EST (2002 GMT)

WASHINGTON -- The Pentagon is touting a new "non-lethal" weapon designed to control threatening crowds by using a directed energy beam to inflict a painful but brief burning sensation.

The weapon could be deployed during peacekeeping missions when deadly force is not necessary, military officials announced Thursday.

The weapon, called "active denial technology," was developed by Air Force research laboratories in New Mexico and Texas as part of a multi-service program run by the Marine Corps.

"This revolutionary force-protection technology gives U.S. service members an alternative to using deadly force," said Marine Corps Col. George P. Fenton, director of the program at Quantico, Virginia.

The weapon is designed to stop people by firing millimeter-wave electromagnetic

energy in a beam that quickly heats up the surface of the victim's skin. Within seconds the person feels pain that is akin to touching a hot light bulb.

Like being burned

"It's the kind of pain you would feel if you were being burned," said Rich Garcia, a spokesman for the Air Force Research Laboratory at Kirtland Air Force Base, New Mexico. "It's just not intense enough to cause any damage."

The Pentagon has made a strong push to develop "non-lethal" weapons in the aftermath of a humanitarian mission in Somalia in 1992-93 that put soldiers in the line of fire in urban areas where civilians were present.

A demo version of the technology can test the level of pain

The beam reaches only 1/64 of an inch underneath the skin, causing no permanent injury, Pentagon researchers said.

"When it penetrates in, it activates the pain sensors, and you feel a lot of pain," Garcia said. "But there's no damage. It truly is a non-lethal device."

Michael Murphy, an Air Force lab researcher, said the beam could be used safely.

"We've tested 72 humans that have had over 6,500 exposures," he said.

The military will test a prototype of the weapon on goats and humans in Kirtland over the next few months. The Marine Corps said \$40 million was spent developing the weapon during the past decade.

The Marine Corps plans to mount the microwave weapon on top of Humvees, the Jeep-like vehicles used by both the Marines and the Army. Later it might be used on aircraft and ships, officials said.

The weapon could be fielded by 2009, officials said.

Concerns remain

William Arkin, senior military adviser to Human Rights Watch, questioned whether a pain weapon would be safe to use against civilians in combat situations.

"What about children in the crowd? What about pregnant women and the elderly?" he said.

"We have developed a non-lethal weapon which causes pain. What happens when someone continues to walk toward the source of the high-power microwave? What happens when panic ensues in a crowd as a result of high-power microwave? What happens when it's focused on someone's eye?" Arkin said.



----- Original Message -----

From: david gauding <david.gauding@bbs.galilei.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, March 05, 2001 7:42 PM  
Subject: LU3MAM on 14.005 @ 0447Z

> LU3MAM on 14.005 @ 0447Z  
>  
> Dan in Mendoza on the west coast and half-way down the continent.  
>  
> Beautiful signal. Calling CQ. No waiting! <g>  
>  
> Using 2W from Argo 515 to SLQ vertical.  
>  
> Good luck,  
>  
>  
>  
> de Dave, NF0R      nf0r@slacc.com  
>

-----  
Date: Mon, 5 Mar 2001 20:49:12 -0600  
From: "David Bixler" <qrp@netins.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [93562] FOX - Substitute Fox is on the Air  
Message-ID: <IJEEJMKECFBFMJOPDBJNCELKCEAA.qrp@netins.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi fellow fox hunters:

I just worked N0IT on 7141 who is filling in  
for Glenn tonight. Go get him.....

Dave

David Bixler                    W0CH - VK2IQX  
Seneca, Missouri  
<http://www.qsl.net/w0ch/> <mailto:w0ch@arrl.net>

QRP: Little Radios, Big Fun!

-----  
Date: Fri, 9 Mar 2001 03:42:18 -0500  
From: John AE5X <ae5x@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [93563] Another K1 chars the ionosphere...  
Message-ID: <20010309.034219.5182.0.ae5x@juno.com>

The big "snow storm of the century" gave me the opportunity to fire up the soldering iron and dribble molten metal onto my newly-arrived K1 (20/30m). I completed the alignment on the rig Thursday afternoon and took her out for a spin. First contact was on 30m where I received an excellent and detailed report on the rigs' keying and tone, so I QSYed to 20m and had a 1st QSO on that band with Chuck AF4PP who was also on a K1, operating portable from his backyard on a 60 degree Georgia afternoon. Small world - lots of K1's I guess! QRM and Mayra coming home with a carload of groceries ended that QSO sooner than I would've liked.

Over the next 2 hours of operating/measuring specs, I made the following contacts:

30m: 9A1CAH Z31JA

20m: P49V 3G0Y UA0ABK

The antenna for both bands was a 40m dipole up 65' fed w/open wire.

3G0Y was operating split, listening up 2 kcs and UA0ABK had that "polar flutter" sound, but no problem working either of them. Pretty amazing rig. Now to get that autotuner...

John Harper AE5X  
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20, K1(20/30m)  
Outdoor QRP & LowBand DXing: <http://www.qs1.net/ae5x>

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 09 Mar 2001 03:39:37 -0500  
From: "J. Ervin Bates" <w8erv@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [93564] Re: QRP for Sale  
Message-ID: <B6CE00F9.1870%w8erv@earthlink.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"



Content-transfer-encoding: 7bit

To all who replied to this post, the NW 8020 and ZM-2 tuner are spoken for.  
Thanks.

72,  
Erv W8ERV

-----  
Date: Thu, 8 Mar 2001 20:05:19 GMT  
From: Walter D Amos <walt\_amos@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [93565] Free logbooks .....  
Message-ID: <20010309.073615.-247447.7.walt\_amos@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Got to the Dayton Hamfest .....

Find the yaesu or kenwood booths.

They have them!

Free !!

Yeah, I know, it costs an arm and a leg to get there and get in  
..... :-)

Walt k8cv

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 5 Mar 2001 13:10:32 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Blackie <blackie@mail.infohouse.com>, Boatanchors  
<BOATANCHORS@LISTSERV.TEMPE.GOV>, Bruce Muscolino <w6toy@pop.mail.rcn.net>, Ed  
Tanton <n4xy@att.net>,  
For Sale <forsale-swap@qth.net>, Glowbugs  
<glowbugs@piobaire.mines.uidaho.edu>, Hambooks <ham-books@qth.net>, John Farr  
<johnfarr@ro.com>,

Subject: [93566] [ForSale-Swap] Technical and Math Books For Sale  
Message-ID: <Pine.BSI.3.96.1010305130910.6529C-100000@usr06.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the following technical and math books for sale:

1. Albert, Arthur Lemuel  
Electronics and Electron Devices  
3rd ed., Macmillan, 1956, cloth, VG-/-, \$15.00  
This text was the last in a long series of books authored by A.L. Albert, and contains a couple of chapters on semiconductors and transistors, but is still predominantly oriented towards vacuum tubes. There is a very slight amount of pencil underlining in the first 100 pages, but otherwise the interior is clean. Owner's address label removed fom FFEP, cover has foxing and slight wear overall, worn through slightly at lower corners.
2. Angelo, E.J.  
Electronic Circuits: A Unified Treatment of Vacuum Tubes and Transistors  
McGraw-Hill, 1958, cloth, VG-/-, \$15.00  
Some minor pencil underlining and notes in the first few chapters, owner's names inside FC and on FFEP. Minor bumping to cover corners and spine ends, but virtually no wearing to cover surface or edges. This undergraduate textbook bridges the gap between vacuum tube and transistor circuit design, with a primary emphasis on rectifiers and amplifiers.
3. Angelakos, D.J. and T.E. Everhart  
Microwave Communications  
McGraw-Hill, 1968, cloth, VG-/-, \$12.50  
Underlining, hilighting, and notes in Chapter 2, clean elsewhere. Binding is spotless, with very slight bumping to cover corners and spine ends. An essential textbook at the time, this volume covers klystrons, traveling-wave tubes, tunnel diodes, parametric amplifiers, masers, antennas, and a variety of other subjects.
4. Bevitt, William D.  
Transistors Handbook  
Prentice-Hall, 1956, hbk, VG/G-, \$12.50  
No markings inside, moderate wear and some chipping to dj. This was the first handbook for transistors, as it says on the DJ.
5. Bucher, Elmer E.  
The Wireless Experimenters Manual  
Wireless Press, 1920, cloth, G-/-, \$25.00  
Minor mildew spotting to FC, moderate mildew spotting to RC, mildew staining

inside both covers, minor staining to title page. Pages slightly yellowed from age, surprisingly clean in spite of mildew staining elsewhere. A very basic text for amateurs in the early days of radio, this well-known book covers the essentials of transmitters, receivers, antennas, oscillators, amplifiers, and vacuum tube theory as it was understood at the time. Quite good condition considering the mildew.

6. Chaffee, E. Leon

Theory of Thermionic Vacuum Tubes

McGraw-Hill, 1933, cloth, VG/-, \$20.00

Owner's stamp inside FC, inside RC, and on title page. Binding is very clean, having slight bumping to cover corners and spine ends. Pages are slightly yellowed from age. This was one of the earliest textbooks on vacuum tube theory, and one of the most substantial. Chaffee was a renowned expert on the subject of regeneration theory, with to entire chapters being devoted to the subject. A very clean copy of an essential and classic textbook on vacuum tubes.

7. Freeman, J.J.

Principles of Noise

Wiley, 1958, cloth, VG/-, \$15.00

Rare to occasional underlining and notes throughout, owner's name and address on FFEP. Binding is spotless with very minor bumping to spine ends. This book provides a very basic understanding of the principles and characteristics of noise in vacuum tubes, discussing the physical sources of noise as well as two-terminal and four-terminal representations, and the all-important concept of noise figure.

8. Marcus, Abraham and William Marcus

Elements of Radio

3rd ed., Prentice-Hall, 1953, cloth, VG+/-, \$13.50

No markings found internally, and scarcely an wear to to cover and spine. This is an exceptionally clean copy copy of a well known and respected textbook on vacuum tube radio receivers and electronics.

9. Martin, Thomas L.

Electronic Circuits

Prentice-Hall, 1955, cloth, VG/-, \$13.50

Owner's name on FFEP, otherwise no markings internally. Slight wear to cover and spine, very slight bumping to cover corners and spine ends. This is an extensive book covering of linear amplifiers, primarily with vacuum tubes but with a chapter on transistor circuits as well. Additional chapters on negative resistances, noise, modulators, rectifiers, mixers, magnetic amplifiers, and more. An exceptionally clean copy of a worthwhile reference for vacuum tube circuit designers.

10. Morecroft, J.H.

### Principles of Radio Communication

Wiley, 1921, cloth, XLIB, G+/-, \$25.00.

Library stamp inside FC, no internal markings otherwise. Covers are in good shape, with the bottom edge or the rear worn through about one inch. Spine is faded as with exposure to light, slight wear to ends. Library call number on spine. According to the library stamp, this book was originally in the ship's library of the USS Omaha. A substantial volume on early methods of radio communication, and a real collector's item even without the tour of navy duty.

### 11. Motorola

The Semiconductor Data Book

4th ed., Motorola, 1969, VG-/-, \$17.50

Clean throughout, upper cover corners slightly frayed, spine and cover lettering faded from handling and age. A very large reference manual from an era when Motorola was considered a world leader in discrete semiconductor manufacturing, unlike today. This is a large book and will require additional postage for shipping.

### 12. Moxon, L.A.

Recent Advances in Radio Receivers

Cambridge, 1949, cloth, XLIB, VG-/-, \$25.00

Library pastedown inside FC, library markings on pages after title page, otherwise no markings internally. Call number on spine, some light rubbing to cover corners and spine ends. Most of this book is entailed in the discussion of noise factor (noise figure), including theory and measurement. Chapters included on the design of amplifiers and mixers with regard to noise factor, as well as two chapters on the design of IF amplifiers.

### 12. Papoulis, Athanasios

Circuits and Systems: A Modern Approach

Holt, Rinehart, and Winston, 1980, hbk, G+/-, 0-03-056097-7, \$15.00

Spine ends and cover corners worn, occasional marginalia and highlighting. Basic undergraduate text covering Laplace transforms, z-transforms, convolution, fourier series, and other concepts essential to communications theory.

### 13. Quarrington, C.A.

Radio Circuits and Data

Caxton Publishing, 1948 (printed 1951), hbk, 90 pages, VG--/-, \$17.50

No markings inside. Cover is slightly worn along edges and spine is moderately worn along hinges, top, and bottom. This book contains complete schematics of a few commercial British receivers, as well as functional schematics of mixers detectors, amplifiers, etc. Extensive tables for hardware and vacuum tube characteristics. A real collector's item.

14. Radio Corporation of America

Solid-State Power Circuits

RCA, 1971, hbk, VG/-, \$15.00

Owner's name inside front and back covers. A very good reference for design of power circuits using bipolar transistors, silicon rectifiers, thyristors, and more. Covers areas from power supplies to microwave power amplifiers.

15. Reintjes, J.F. and G.T. Coate

Principles of Radar

3rd ed., McGraw-Hill, 1952, cloth, G/-, \$12.50

Owner's name inside FC and on FFEP. No markings on pages. Cover and spine have moderate rubbing, especially along cover edges, spine ends, and hinges. Slight fraying to front cover lower corner. Despite the wear to the cover and spine, this is a very clean copy of a later edition of what was essentially the bible for radar designers during the second world war, and this edition reflects the improvements that were attained in the after-war years.

16. Richter, Walter

Fundamentals of Industrial Electronic Circuits

McGraw-Hill, 1947, hbk, VG-/-, \$13.50

Owner's name on FFEP, very light foxing overall, no markings on pages. Very good text on vacuum tube theory and applications.

17. Schure, Alexander

Basic Transistors

Rider, 1961, paperback, VG-/-, \$7.50

No markings inside or out, slight rubbing to covers and spine, slight wear to cover corners and spine ends. As the title suggests, this is a very basic book on transistors, written at the time where transistors were rapidly replacing vacuum tubes in commercial and consumer electronics.

18. Sears, Francis W.

Addison-Wesley, 1954, VG-/-, \$12.50

Some markings and underlining in first 19 pages, clean elsewhere.

Owner's name inside FC. Some slight bumping and wear on spine ends and cover corners. Lettering on spine faded with handling. Nice undergraduate textbook.

19. Sevin, Leonce J.

Field-Effect Transistors

McGraw-Hill, 1965, hbk, VG+/-, \$15.00

A very clean, unblemished copy of an essential reference for junction FETs.

20. Shea, Richard F.

### Transistor Applications

Wiley, 1964, cloth, VG+/G+, \$20.00

This early reference on transistor applications and circuit design is exceptionally clean throughout, having no markings to be found anywhere. Minor bumping to cover corners and spine ends. Dustjacket has some wear along edges, mostly spine ends, as well as some dirt from handling.

### 21. Slurzberg, M. and W. Osterheld

Essentials of Electricity - Electronics

3rd ed., McGraw-Hill, 1965, 0-07-058260-2, cloth, VG/-, \$15.00

Slight bumping to spine ends, some light soiling from handling. This is a wonderfully clean copy of a very basic text on the principles of electricity, and includes chapters on vacuum tubes and transistors.

### 22. Sterling, George E.

The Radio Manual

3rd ed., Van Nostrand, 1940, hbk, G+/-, \$15.00

Moderate wear and bumping to cover and spine extremities, owner's name on FFEP, but no markings on pages. This book is a wealth of information on the state of the art in radio broadcasting and telecommunications prior to WWII.

### 23. Sturley, K.R.

Radio Receiver Design, Part 1

1st ed., Wiley, 1943, G+/-, \$15.00

No markings internally. Cover slightly worn, hardly noticeable. Original gold leaf letter rubbed off spine and replaced poorly with white paint. This is one of the most significant books ever written on the subject of radio receivers.

### 24. Terman, Frederick E.

Radio Engineering

3rd ed., McGraw-Hill, 1947, cloth, VG-/-, \$20.00

Owner's name on FFEP, no other internal marking found. Pages slightly yellowed from age. Cover corners and spine ends are slightly bumped. Top ends of hinges and cover corners are slightly worn through, some diagonal creasing on spine. Despite it's age, this copy of one of the most readily recognized and respected textbooks on radio theory and circuitry shows just a slight amount of wear.

### 25. Thomson, J.

The Services' Textbook of Radio, Volume 3: Electronics

Her Majesty's Stationary Office (HMSO), 1955, cloth, XLIB, G/-, \$15.00

Pocket with publisher's note inside FC, library markings inside FC. No markings on pages. Moderate wear to cover and spine, with cover corners frayed and top of spine moderately bumped. Call number on spine, lettering on spine rubbed by handling. Primarily a reference on vacuum tubes, there is a surprising chapter on semiconductors, one of the

earliest to be found. Other chapters deal with subjects of magnetrons, velocity-modulated tubes (valves), noise, etc.

26. Van Valkenburg, M.E.

Network Analysis

3rd ed., Prentice-Hall, 1974, 0-13-611095-9, cloth, VG/-, \$15.00

Slight to moderate wear to cover, spine ends, and hinges. Binding slightly split between FFEP and title page. No markings on pages, making this a clean, if not otherwise slightly worn, copy of a substantial textbook on network analysis.

27. Walston, J.A. and J.R. Miller (ed)

Transistor Circuit Design

McGraw-Hill, 1963, cloth, VG+/G, \$17.50

Owner's name on FFEP, otherwise no markings throughout. Very little wear to cover and spine. Dustjacket has slight wear to edge, consisting of chip-outs and rubbing. This is an exceptionally nice copy of a substantial reference on discrete small-signal and power amplifier design, as well as switching circuitry design, including voltage regulators.

28. Wedlock, Bruce D. and James K. Roberge

Electronic Components and Measurements

Prentice-Hall, 1969, decorative boards, VG/-, \$12.50

Owner's name inside FC, otherwise no other markings internally. Cover has little wear except for slight fraying at corners. Spine worn slightly at ends, darkened slightly from exposure to light. This is a very clean copy of a worthwhile text covering the basics of measuring and characterizing electronic components.

29. Zimmermann, Henry J. and Samuel J. Mason

Electronic Circuit Theory: Devices, Models, and Circuits

Wiley, 1959, cloth, VG/-, \$13.50

Very occasional pencil underlining and marginalia. Owner's name crossed out inside FC. Cover and spine are slightly rubbed, mostly to bottom edges. Relatively clean copy of a very thorough textbook covering both vacuum tube and transistor circuitry.

Prices are exclusive of shipping costs. Unless stated otherwise, for USPS bookrate shipping add \$3.50 for first book and \$1.50 for each additional. For USPS Priority shipping add \$5.00 for first book and \$2.50 for each additional. Canadian and foreign shipping dependent on actual cost. Payment in US\$ in advance by cheque or money order. Money orders preferred, cheques accepted from established customers. Books will be held for 14 days after confirmation. All dustjackets are protected with Brodart covers, paperbacks are protected with archival sleeves. Books may be returned within 30 days, with prior approval, if not as described.

Must be bad conditions John. I heard you good in Southern NM when you were Fox. Pat K0PC is up and to the right a lot from me, so it would seem you



should have heard him well.

On Mon, 5 Mar 2001, John Wagner wrote:

> Nada here in VT. Just had a quick QSO on 7.142.5 with A4FPS down in FL  
> and he didn't hear him either.  
>  
> I'm gonna call CQ for a bit on my new (to me) FT-817 on 7.141 or so.  
> Jump in for a QSO if you hear me.  
>  
> 73,  
>  
> John, KB1ENS  
>  
> Michael Melland wrote:  
> >  
> > No discernable cub fox yet tonight... nor any hounds calling heard in my  
> > part of Wisconsin. Anyone else ?  
> > --  
> > Michael Melland, W9WIS  
> > Winneconne, Wisconsin, USA EN54pc  
> > QRP-L #1656 QRP-ARCI #9875  
> > IPARC #252 SOC #142  
> > <http://www.vbe.com/~badger>  
>  
> --  
> John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)  
> Web page: <http://www.neknetwork.com>  
>  
>

Yours Truly,

- Karl F. Larsen, [k5di@arrl.net](mailto:k5di@arrl.net) (505) 524-3303 -

-----  
Date: Fri, 9 Mar 2001 08:47:42 -0500  
From: [hamjoel@juno.com](mailto:hamjoel@juno.com)  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [93568] Passing of the Fox  
Message-ID: <20010309.084744.-498449.3.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

With heavy heart and smoldering antenna I watched as the fox went his

way....

gone... will he ever come back?

maybe I shot too many or not enough, who kneauxs...at least I won't have to duck the stray rf for a while.. sounded like a war, u kneaux... being lead by General Fun....

now take ur hunting skills to the bottom of forty meters or to thirty meters and chase some real fox, foreign fox... they have been known to qsl even...the training session is ovah.. it's time to face the real thing....

LONG LIVE THE FOX....

kella joel

in maine

freezin mainly

oo 72

---

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Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Fri, 9 Mar 2001 06:55:53 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-l@lehigh.edu>

Subject: [93569] Baluns

Message-ID: <Pine.LNX.4.31.0103090636110.827-100000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have had problems with the LDG BA-1 balun I built from a kit since I built it. It is for sure a balun but it isn't 4 to 1 and there is a reactive component that changes with frequency. Wierd.

This morning I decided to look at the balun in my MFJ antenna tuner. It is very close to 4 to 1 and has very little reactive component and it works a lot better!

So I'm at a loss as to what to do with the BA-1. It's a nice kit and it looks just like the drawing and has 10 turns through the red toriod core.

Took apart the MFJ coil and it's a black toriod smaller than the one in the BA-1 and it has 13 turns on it, using hook-up wire. It is neater than my BA-1 but that isn't the answer I think. I think the MFJ is far better designed. It has a high permability core and lots of turns. The turns go clear around the core and are close spaced.

I need to do the same thing on the BA-1. But not sure the core provided has enough permability.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 09 Mar 2001 09:14:51 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [93570] [CONTEST] QRP Contest Calendar 3/10-3/31  
Message-ID: <3.0.6.32.20010309091451.0083dc80@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP Contesters,

Please send your sprint or contest info to: N2CQ@ARRL.NET  
We will include it in the calendar.

72 de Ken - N2CQ

~~~~~  
QRP CONTEST CALENDAR

March 10-31, 2001

~~~~~  
World Wide Locator Contest (CW/SSB)

Mar 10 - 0000z to Mar 11 - 2400z

Rules: <http://www.sk3bg.se/contest/wwlc.htm>

"Grid locations for exchange"

~~~~~  
Second Class Operator's Club (SOC) Marathon Sprint (CW) .. QRP Contest!

Mar 10 - 1800z to 2400z

Rules: <http://soc-hams.homepage.com/20010310.htm>

"QRP or QRPp Fun Sprint. QLF not required for club membership"

~~~~~

UBA (Belgian) Spring Contest (CW-80m) ... QRP Category

Mar 11 - 0700z to 1100z

Rules: <http://www.uba.be/HF/conrules/spring.htm>

"North American Night Owl choice"

~~~~~

Wisconsin QSO Party (CW/SSB)...QRP Category

Mar 11 - 1800z to Mar 12 - 0100z

Rules: <http://www.warac.org/wqp/wqp.htm>

"QRP category for the first time. QRP doubles your score."

~~~~~

AND LATER....

~~~~~

Somerset Homebrew Contest (CW/SSB - 80 Meters) ...QRP Contest!

Mar 17 - 0000z to 2400z (Any 4 hours)

Rules: <http://www.sk3bg.se/contest/somerset.htm>

"Homebrew and kits. Prizes available. Europeans operate 1900z-2300z"

~~~~~

Alaska QSO Party (ALL)

Mar 17 - 0000z to Mar 18 - 2400z

Rules: <http://www.sk3bg.se/contest/alaskaqp.htm>

"Good time to work AK"

~~~~~  
Bermuda Worldwide Contest (ALL)

Mar 17 - 0001z to Mar 18 - 2400z

Rules: <http://www.sk3bg.se/contest/bermuda.htm>

"Free trip to Bermuda for first prize"

~~~~~  
BARTG Spring HF RTTY Contest

Mar 17 - 0200z to Mar 19 - 0200z

Rules: [http://www.bartg.demon.co.uk/Contests/01\\_rules.htm](http://www.bartg.demon.co.uk/Contests/01_rules.htm)

"Much RTTY DX"

~~~~~  
Russian DX Contest (CW/SSB)

Mar 17 - 1200z to Mar 18 - 1200z

Rules: <http://www.sk3bg.se/contest/russsdx.htm>

"Work anyone but lots of points for Russians"

~~~~~  
Virginia QSO Party (CW/SSB) ... QRP Category

Mar 17 - 1800z to Mar 19 - 0200z

Rules: <http://www.qsl.net/sterling/QSOParty-2.html>

"Excellent state QP and nice awards too."

~~~~~  
CQ World-Wide WPX Contest (SSB) ... QRP Category

Mar 24 - 0000z to Mar 25 - 2400z

Rules: <http://home.woh.rr.com/wpx/>

"More fine SSB DX. Compete with other QRPers."

~~~~~  
Spring QRP Homebrewer Sprint (CW/PSK31) ... QRP Contest!!!!

Mar 25 - 0000z to 0400z (Sunday evening in US/Canada)

Rules: <http://www.njqrp.org/data/qrphomebrewersprint.html>

"Test your Homebrewed equipment. All can join. Prizes!"

~~~~~  
ATLANTICON QRP Forum ...QRP Building Contest(AND MUCH MORE)

Mar 30 - Mar 31

Details: <http://www.njqrp.org/atlanticon/>

"Building contest. A-1 Seminars. Prizes you can't miss"

~~~~~  
Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de	**** N2CQ QRP Contest Calendar ****
Ken Newman - N2CQ	<a href="http://www.njqrp.org/data/contesting.html">http://www.njqrp.org/data/contesting.html</a>
N2CQ@ARRL.NET	<a href="http://www.n3epa.org/Pages/Contest/contest.htm">http://www.n3epa.org/Pages/Contest/contest.htm</a>
	<a href="http://www.qsl.net/cqrp/contests.html">http://www.qsl.net/cqrp/contests.html</a>

-----  
Date: Fri, 9 Mar 2001 09:13:39 -0500  
From: "Lau, Zack, W1VT" <zlau@arrl.org>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [93571] Re: Air variable capacitor value  
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9D55@KAHLESS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

A simple way to figure out the area is to trace the plates onto 10

square/inch graph paper.

Count the squares to estimate the area. To figure out the spacing, you could count how many

sheets of paper will fit between the plates--perhaps using a phone book or Digi-Key catalog

My Digi-Key catalog has about 350 sheets and a thickness of 0.7 inches.

Suppose 15 sheets fit.

$(15 \text{ sheets}) \times 0.7 / (350 \text{ sheets}) = 0.03 \text{ inches}$

--Zack W1VT

-----  
Date: 9 Mar 2001 06:26:18 -0800

From: Mike Pupeza <mpupeza@altavista.com>

To: QRP-L@Lehigh.EDU

Cc: k5di@zianet.com

Subject: [93572] Re: Baluns

Message-ID: <20010309142618.24967.cpm.ta@c012.sfo.cp.net>

Content-Type: text/plain

Content-Disposition: inline

Mime-Version: 1.0

I've had the same problems as Karl with the LDG BA-1 Balun. Even with a 200 ohm resistor on the output it wouldn't show an SWR of 1:1 on all frequencies. It varied with frequency. I tried rewinding it about 4 times with tighter and/or looser windings. I tried a variable carbon mini-pot and found on some frequencies that it wouldn't go to 1:1 at all.

I sent it back to LDG and they refunded my money - no questions asked.

They never told me why!

Mike VE3EQP.....>

P.S. I have their QRP Tuner, the first one, and am TOTALLY happy with it.

Find the best deals on the web at AltaVista Shopping!

<http://www.shopping.altavista.com>

-----  
Date: Fri, 09 Mar 2001 09:36:33 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: mpupeza@altavista.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [93573] Re: Baluns

Message-ID: <3AA8EA71.528AEED7@erols.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Guys,

Baluns are frequency dependent. Got that? Baluns are frequency dependent. No balun will be flat from DC to light. No balun will likely even give you 1:1 at all the ham frequencies.

73

-----  
Date: Fri, 9 Mar 2001 09:51:38 -0500  
From: "Brian" <bmurrey@amexol.net>  
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [93574] Re: Baluns  
Message-ID: <000e01c0a8a8\$727cd690\$3d05080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So Bruce,

What you are saying is that baluns ARE frequency dependant, and not one-size-fits all. Right?

73

----- Original Message -----  
From: "Bruce Muscolino" <w6toy@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, March 09, 2001 9:36 AM  
Subject: Re: Baluns

> Guys,  
>  
> Baluns are frequency dependent. Got that? Baluns are frequency  
> dependent. No balun will be flat from DC to light. No balun will  
> likely even give you 1:1 at all the ham frequencies.  
>  
> 73  
>



-----  
Date: Fri, 9 Mar 2001 09:01:47 -0600  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'bmurrey@amexol.net'" <bmurrey@amexol.net>, Low Power Amateur Radio  
Discussion <qrp-l@lehigh.edu>  
Subject: [93575] RE: Baluns  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA013034F4@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

According to Sevick (sp?), baluns can be homebrewed that *are*  
virtually flat from 1.8 MHz to 30 MHz (some designs to 50 MHz).  
(See his book on Transmission Line Transformers)

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: Brian [SMTP:bmurrey@amexol.net]  
> Sent: Friday, March 09, 2001 8:52 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Baluns  
>  
> So Bruce,  
>  
> What you are saying is that baluns ARE frequency dependant, and not  
> one-size-fits all. Right?  
>  
> 73  
>  
> ----- Original Message -----  
> From: "Bruce Muscolino" <w6toy@erols.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Friday, March 09, 2001 9:36 AM  
> Subject: Re: Baluns  
>  
>  
> > Guys,  
> >  
> > Baluns are frequency dependent. Got that? Baluns are frequency  
> > dependent. No balun will be flat from DC to light. No balun will  
> > likely even give you 1:1 at all the ham frequencies.  
> >  
> > 73  
> >

-----  
Date: Fri, 9 Mar 2001 10:11:17 -0500  
From: "Russ Hines" <radioruss@fuse.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [93576] Re: HB:Output Filter Question  
Message-ID: <004501c0a8ab\$31229d80\$a22344d8@rbhines>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Didn't we cover this a few days ago?

John, K6QQ, said it quite well I thought:

"The filter is designed differently so as to PRESENT TO  
> THE COLLECTOR, the impedance IT must see to be  
> able to provide the desired power output."  
...snip....  
>  
> And yes, you can use the 10 watt design in a 5 watt TX.  
> You will have to control the power by reducing the drive  
> to the output stage, and will probably suffer some loss in  
> efficiency.

73,  
Russ Hines  
WB8ZCC  
radioruss@fuse.net  
wb8zcc@arrl.net  
<http://home.fuse.net/radioruss>

----- Original Message -----

From: <AA3BP@aol.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Monday, March 05, 2001 10:25 AM  
Subject: HB:Output Filter Question

> Ok, folks, here's one that's going to make it clear that despite all the  
solder I've melted, I've still got a ways to go. But, I gotta ask...

>  
> In reviewing the NB6M Miniboosts (RF pwr amp) specs, I note that Wayne  
includes two value tables for the output filter: one for the 10 watt  
version, and another for the 5 watt max version - and they are significantly  
different.

>  
> Question: Can someone explain to me in layman's language (no formulas

with a "j" in them, pse) why the filter is different depending on power output. I thought the purpose of an FL1 was to set a freq cutoff for the output, in which case I wouldn't see the need for a difference between 5 and 10 watts. What happens if I, for arguments sake, build for the 10 watt level and then reduce power to 5 watts? I suspect that my accountant brain is missing something, but what???

>  
> Tnx!  
>  
> Jim, AA3BP  
> Mechanicsburg, PA  
>  
>

-----  
Date: Fri, 09 Mar 2001 10:37:39 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org  
Cc: <don@azark.com>  
Subject: [93577] [CONTEST] QRP Contest Calendar 3/10 - 3/31 (Corrected)  
Message-ID: <3.0.6.32.20010309103739.0080f6c0@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

\*\*\*Date Correction to 26th\*\*\*

QRP Contesters,  
Please send your sprint or contest info to: N2CQ@ARRL.NET  
We will include it in the calendar.

72 de Ken - N2CQ

~~~~~  
QRP CONTEST CALENDAR

March 10-31, 2001  
~~~~~

World Wide Locator Contest (CW/SSB)

Mar 10 - 0000z to Mar 11 - 2400z

Rules: <http://www.sk3bg.se/contest/wwlc.htm>

"Grid locations for exchange"

~~~~~  
Second Class Operator's Club (SOC) Marathon Sprint (CW) .. QRP Contest!

Mar 10 - 1800z to 2400z

Rules: <http://soc-hams.homepage.com/20010310.htm>

"QRP or QRPP Fun Sprint. QLF not required for club membership"

~~~~~  
UBA (Belgian) Spring Contest (CW-80m) ... QRP Category

Mar 11 - 0700z to 1100z

Rules: <http://www.uba.be/HF/conrules/spring.htm>

"North American Night Owl choice"

~~~~~  
Wisconsin QSO Party (CW/SSB)...QRP Category

Mar 11 - 1800z to Mar 12 - 0100z

Rules: <http://www.warac.org/wqp/wqp.htm>

"QRP category for the first time. QRP doubles your score."

~~~~~  
AND LATER....

~~~~~  
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Rules: <http://www.sk3bg.se/contest/somerset.htm>

"Homebrew and kits. Prizes available. Europeans operate 1900z-2300z"

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Mar 17 - 0000z to Mar 18 - 2400z

Rules: <http://www.sk3bg.se/contest/alaskaqp.htm>

"Good time to work AK"

~~~~~

Bermuda Worldwide Contest (ALL)

Mar 17 - 0001z to Mar 18 - 2400z

Rules: <http://www.sk3bg.se/contest/bermuda.htm>

"Free trip to Bermuda for first prize"

~~~~~

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Mar 17 - 0200z to Mar 19 - 0200z

Rules: [http://www.bartg.demon.co.uk/Contests/01\\_rules.htm](http://www.bartg.demon.co.uk/Contests/01_rules.htm)

"Much RTTY DX"

~~~~~

Russian DX Contest (CW/SSB)

Mar 17 - 1200z to Mar 18 - 1200z

Rules: <http://www.sk3bg.se/contest/russdxc.htm>

"Work anyone but lots of points for Russians"

~~~~~

Virginia QSO Party (CW/SSB) ... QRP Category

Mar 17 - 1800z to Mar 19 - 0200z

Rules: <http://www.qsl.net/sterling/QSOParty-2.html>

"Excellent state QP and nice awards too."

~~~~~  
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"More fine SSB DX. Compete with other QRPers."

~~~~~  
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Rules: <http://www.njqrp.org/data/qrphomebrewersprint.html>

"Test your Homebrewed equipment. All can join. Prizes!"

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ATLANTICON QRP Forum ...QRP Building Contest(AND MUCH MORE)

Mar 30 - Mar 31

Details: <http://www.njqrp.org/atlanticon/>

"Building contest. A-1 Seminars. Prizes you can't miss"

~~~~~  
Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de	**** N2CQ QRP Contest Calendar ****
Ken Newman - N2CQ	<a href="http://www.njqrp.org/data/contesting.html">http://www.njqrp.org/data/contesting.html</a>
N2CQ@ARRL.NET	<a href="http://www.n3epa.org/Pages/Contest/contest.htm">http://www.n3epa.org/Pages/Contest/contest.htm</a>
	<a href="http://www.qsl.net/cqrp/contests.html">http://www.qsl.net/cqrp/contests.html</a>

-----  
Date: Fri, 09 Mar 2001 10:55:43 -0500  
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>

To: kizerian@ced.utah.edu  
Cc: qrp-1@lehigh.edu  
Subject: [93578] Re: Manhattan is moving to Arkansas  
Message-ID: <5.0.0.25.1.20010309105250.009f3960@pop.prodigy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:02 PM 3/8/01 -0700, Bruce kk7zz wrote:

>Guys  
>  
>If you want to see another outstanding example of Manhattan construction  
>check out Dennis Payton's (N9JXY) work at:  
>  
>[http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/binaural.h](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/binaural.h)  
>tml  
>  
>He should be added to the list of "greats" and invited to the contest...  
>

Wow....Bruce is right. Dennis' work is very nice. I knew he  
liked to build, but don't think I've ever seen any of his work.  
Outstanding!!! Go check it out.

72 and see you all at Atlanticon, Arkiecon, and FDIIM

Jim, K8IQY

-----  
Date: Fri, 09 Mar 2001 10:00:28 -0600  
From: Pat Cain <pcain@onvoymail.com>  
To: enders@bolshoi.cc.misu.nodak.edu  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93579] Re: FOX - One Last Pelt! :-)  
Message-ID: <4.2.0.58.20010309095839.00961530@mail.mr.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

Todd,

I'm proud to provide 2/3 of your pelts this year. The QRO amp (1W) was=20  
plenty to push you over the top last night. If summer ever comes to the=20  
north country this year you will be able to work on that antenna!

73,  
Pat K=D8PC

At 09:24 PM 3/8/01 -0600, Todd Enders wrote:

> After a long drought, I managed to work K0PC for pelt #3  
> in a pretty sparse season. Had to break out the secret weapon,  
> a 1W amp, to bring him to bag, but it worked nicely, and the big  
> gun turned the trick 23 minutes into the hunt. :-)  
>  
> Have to admit, 250 mW to a wet noodle just doesn't cut it  
> for 40m foxii. Spent many a Tuesday and Thursday evening  
> trying to get my whisper heard above the bay of the rest of the  
> hounds. Don't get me wrong, I think 250 mW to a decent antenna  
> can be fairly competitive, but you \*have\* to have a good antenna  
> to make milliwatting pay in the hunts. Lesson learned! :-)  
>  
> I'm looking forward to the summer hunts, as even with the  
> QRM/QRN we've had from numerous sources on 40 this winter,  
> the hunts have been an education, as well as sometimes frustratingly  
> good fun. :-) Thanks to Doc and the rest of the hunt committee for  
> a fun run on 40, to all the foxii for their efforts and talent in fishing=  
us  
> hounds out of the pile, and to the vast majority of hounds for their  
> usually pretty considerate operating in the pile! :-)  
>  
> 72/73,  
>  
> Todd AG0T  
> QRP-L #2211, ND

-----  
Date: Fri, 9 Mar 2001 10:07:38 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93580] RE: Baluns  
Message-ID: <01C0A880.C5DF4D40.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

No doubt you are correct Bruce, but what's your message to the poster and other readers? Baluns should be built for a specific frequency only? Baluns should not be used at all because they are frequency dependent? Slight variations from the ideal SWR should not be a concern? I would guess the latter, but can't be sure.



I would ask Mike what variation in SWRs he saw. If the maximum was small, it's probably not a concern. Also, what is the intended function of the balun? Since it's a 4 to 1, it's probably for impedance transformation more than to eliminate common mode currents, although it may be for both.

But for the impedance transformation function--without the balun you would have a 4:1 SWR with your 200 ohm load. So if you are seeing, say 1.2 to 1, you are still a heck of a lot closer than without the balun.

72--Nick, WA5BDU

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]

Sent: Friday, March 09, 2001 8:37 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Baluns

Guys,

Baluns are frequency dependent. Got that? Baluns are frequency dependent. No balun will be flat from DC to light. No balun will likely even give you 1:1 at all the ham frequencies.

73

-----  
Date: Fri, 09 Mar 2001 11:11:00 -0500

From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>

To: qrp-l@lehigh.edu

Subject: [93581] Re: Manhattan is moving to Arkansas

Message-ID: <5.0.0.25.1.20010309111050.00a29690@pop.prodigy.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:52 PM 3/8/01 -0800, KI6DS wrote:

>Well, listen, for the first time ever, these three Giants of Manhattan  
>Construction style, Jim Kortge, Chuck Adams and Mike Fitzgibbon will all be  
>at Arkiecon, and JayBob is doing his best to get all of them to bring their  
>famous rigs for us to see. Man think about a display of the original 2N2222  
>rig, the 2N2/6, The Manhattan SST's from Mike, the Iowa QRP 10, Jim and  
>Chuck's version of the Iowa QRP 10, and all of the rigs that Chuck has built  
>using the method, you know, his prize winners!!! Wow, I get chills just  
>thinking about that one. If you live anywhere in 500 miles of Ft. Smith,  
>Arkansas, you owe it to yourself to get there for the forum Saturday and the  
>party on Saturday night. JayBob says that he thinks he can get them to  
>bring the rigs. Sure wouldn't hurt if you guys helped encourage them.

In addition to the rigs that Doug has already mentioned, I'll also have the 2N2/40+ that was detailed in the QRPp article, the new 4017 Transverter, some of the 2N2/15 boards, and other assorted Manhattan-style constructed goodies for show and tell. This is going to be one really fun event! Hope to make lots of new friends, and see numerous old ones as well.

72,

Jim, K8IQY

PS....many thanks to JayBob et. al. for pulling this all together.

-----  
Date: Fri, 09 Mar 2001 09:24:01 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <k5di@zianet.com>  
Cc: qrp-l <qrp-l@lehigh.edu>  
Subject: [93582] Baluns  
Message-ID: <B6CE51B0.72E4%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Karl - I suggest the book "Building and Using Baluns and Ununs - Practical Designs for the Experimenter" by W2FMI, Jerry Seveck for information on design and performance of baluns. I am confident that you will find a design there that will perform better than either your MFJ or LDG balun

I am not sure of the designs of either your MFJ balun or your LDG balun. However if you are looking for suggestions on how to improve the performance of your Antenna/Feedline/Balun/Tuner system, I would suggest replacing the 4:1 balun with a 1:1 balun.

The 4:1 balun as usually implemented in Amateur Radio Antenna Tuner applications is designed for a specific transformation ratio, and a specific input/output impedances. A typical 4:1 balun is designed to transform a 50 Ohm source to a 200 Ohm load. Yet there are few amateur applications where we have these loads; a log periodic antenna and a folded dipole at low heights are two exceptions.

For the typical center fed doublet long enough to fit between two available supports and fed with balanced feeders is far from a 200 Ohm resistive load. Most antenna tuners deal with high impedance loads better than low impedance

loads. The 4:1 makes low impedance loads lower, thereby exacerbating the problem. Depending on doublet length and feeder length some common lengths in use can have fairly low impedances.

While high permeability cores increase the choking reactance of the balun, they also have higher losses, which contributes to their broad bandedness, but can cause heating with some loads at higher powers.

A good 1:1 choke balun for 1.8 to 30 MHz can be made by winding 10 turns of a teflon coax like RG-142 or RG-303 on a 2.4 inch OD ferrite toroid with a permeability of 125. These are available from Bytemark/Amidon. If you don't need 160 M , then a permeability of 125 will be adequate and efficiently will be slightly improved at higher frequencies. The teflon coax is used as it will handle higher powers, but more importantly it can be wound on a core without the cold flow problems that polyethylene dielectric coaxes have. Smaller cores can be used for lower powers, but efficiently will suffer if cores much below 1.25 inch in diameter are used. Magnet wire closely clamped together will make a good substitute for the coax. Sevick recommends 14 or 16 gauge Thermaleze.

Bead baluns as described in the handbook can also be used, but the losses will be greater since very high permeability ferrites must be used to get high enough choking reactance. For QRP use it probably doesn't matter.

Air core "choke baluns" can also be used. The Handbook also gives directions on how to make these. These are not as broad band as the toroid based baluns.

If you insist on a 4:1 balun, you can use the same 2.4 inch OD 250 or 125 cores suggested above and wind them with ordinary 14 gauge house wire closely clamped together. The handbook will show how to properly connect the windings. A QRP version can be made with transmission line made from 20 gauge hookup wire closely clamped together on a 1.25 inch ferrite toroid core with a permeability of 250.

If you still wish to make

--

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----

Date: Fri, 09 Mar 2001 11:36:36 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: Karl.Kanalz@allegiancetelecom.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [93583] Re: Baluns  
Message-ID: <3AA90694.708C96CA@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl,

I have read Jerry's book. True, under some conditions baluns can be made independent of frequency. They require special winding techniques and a lot of measurement gear. The normal, run of the mill, balun is not made that way. It will not be frequency independent!

73

-----  
Date: Fri, 09 Mar 2001 11:42:09 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: nkennedy@tcainternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [93584] Re: Baluns  
Message-ID: <3AA907E1.178AD6D@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nick,

Obviously my advice would be to use the balun where it gives the best performance! IF his tuner can handle the high SWR fine, if not he will be better off not using those bands. I think Jim Duffey's summary is about as good as you can get. Just because your unit says it has a balun does not mean you can use it with impunity! Thought is still a requirement!

73

-----  
Date: Fri, 09 Mar 2001 11:01:10 -0600  
From: Pat Cain <pcain@onvoymail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [93585] FOX: K0PC log Hunt #42

Message-ID: <4.2.0.58.20010309103741.017949a0@mail.mr.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

Greetings to all,

The Fox Hunt season may be over but my fur is still flying! I had a severe=  
=20  
case of deer-in-the-headlights syndrome when the hunt started and my=20  
computer stopped at the same instant. On to plan-B, the memory keyer.=20  
Thanks for the patience of those I fumbled with until I started breathing=20  
again.

All in all it was a pretty good night, I didn't beat my count from last=20  
November but I came close.

Highlights:

- 122 QSOs with 34 SPC
- Providing pelt #42 to Bruce N1LN for a perfect season. Congratulations=  
Bruce!
- Three North Dakota stations in one night, K9IUA, K=D8EVZ, and AG=D8T

Thanks to all the hounds, it would be pretty lonely out there without you.

Thanks to the Fox Hunt Committee for a great year of hunting.

73,  
Pat K=D8PC

0201	N6WG	559	CA	BOB	5W
0202	W0PWE	559	IA	JERRY	5W
0203	W9XU	559	WI	LON	5W
0203	AA0ZZ	599	MN	CRAIG	5W
0204	K0SQ	559	MN	CHUCK	5W
0205	K0MP	559	CO	BILL	5W
0205	N9AW	559	WI	JERRY	5W
0206	N0UR	599	MN	JIM	5W
0207	K9IUA	559	ND	KEVIN	5W
0208	KB9YIG	559	IN	TONY	3W
0209	WA9TZE	559	WI	JIM	5W
0210	K0EVZ	559	ND	DOC	2W
0211	W0UFO	559	MN	MERT	5W
0212	N4ROA	559	VA	DAN	5W
0212	K10J	559	TX	OJ	5W
0214	AF4PS	559	FL	MAC	4W
0215	KC1FB	559	CT	JIM	5W

0215	N1FN	559	CO	ET	5W
0216	W9HL	579	IL	RANDY	5W
0217	K3IU	559	RI	KEN	5W
0218	VE6EX	559	AB	DAN	5W
0218	N5TW	599	TX	TOM	5W
0219	K9IS	559	WI	STEVE	4W
0220	N5GJQ	579	LA	MIKE	5W
0221	N8IE	559	OH	DAN	5W
0221	AG0T	559	ND	TODD	1W
0222	AB8DF	599	MI	ED	5W
0223	WE9K	599	WI	GLENN	5W
0224	NV4V	559	KY	PETE	5W
0225	N3YSI	559	IN	PAUL	5W
0226	K5JHP	559	TX	BILL	5W
0226	NK9G	559	WI	RICK	5W
0227	N0AR	599	MN	SCOTT	4W
0228	N1LN	559	TX	BRUCE	5W
0229	KK5LD	559	TX	DAN	5W
0230	K4FB	559	FL	PAUL	5W
0230	K5VUU	559	TX	ED	5W
0231	K4ADI	559	SC	FRANK	5W
0232	W0CH	559	MO	DAVE	5W
0233	NQ7X	559	AZ	FLOYD	5W
0234	K5AAR	559	OK	DON	5W
0235	N0HRL	559	MN	KEN	5W
0235	AE9K	559	WI	BRIAN	1W
0236	W5TB	559	TX	DOC	5W
0237	K5LN	559	TX	BILL	5W
0238	K8CV	559	MI	WALT	5W
0239	N2WW	599	CO	LARRY	5W
0240	K5HKX	559	TX	PAUL	5W
0242	K8ZT	559	OH	TONY	5W
0242	N5EN	559	TX	STEVE	5W
0244	KJ0C	559	MO	JIM	5W
0245	K5ZTY	559	TX	BILL	5W
0246	AF4LQ	559	KY	MIKE	5W
0247	VA6RF	559	AB	EARL	5W
0248	N5IW	559	TX	DAVE	5W
0248	W5YR	559	TX	GEORGE	5W
0249	K5EOA	559	LA	WAYNE	5W
0250	N8VAR	559	OH	RON	5W
0251	N3AO	559	PA	CARTER	5W
0252	KB7WW	559	OR	ART	5W
0252	NW7DX	559	WA	BEN	5W
0254	K7RE	559	AZ	BRIAN	5W
0255	NU8S	559	OH	DENNIS	5W
0256	WA5OJE	559	TX	DANNY	5W
0257	WB8RCR	559	MI	JOHN	3W

0257	AC5JH	559	OK	TOM	5W
0258	K50I	559	NM	TIM	5W
0259	AA7XA	579	OR	FRANK	5W
0300	W8RU	559	MI	RON	5W
0301	WB8ICN	559	MI	MIKE	5W
0302	W5USJ	559	TX	CHUCK	3W
0303	WV9N	559	OH	RANDY	5W
0304	K0FRP	579	CO	AL	5W
0305	WA0SXV	599	MO	MIKE	2W
0306	K4BYF	559	FL	JACK	5W
0307	K3NG	559	PA	GOODY	5W
0308	N4VM	559	TN	BRYAN	5W
0308	N5WL	559	OK	BART	5W
0309	W8SFF	559	MI	STEVE	5W
0310	W5HNS	559	TX	HENRY	5W
0311	NK7M	449	AZ	BOB	5W
0312	KI0II	559	CO	RON	5W
0312	W2XN	559	FL	FRED	5W
0313	K7FD	559	OR	JOHN	5W
0314	N5IB	559	LA	JIM	5W
0315	W0JOE	559	MO	JOE	5W
0316	N1TP	559	FL	TOM	5W
0317	WA8BXN	569	OH	MIKE	5W
0318	WA7TQK	559	ID	BILL	5W
0318	WS4S	589	TN	CONARD	5W
0319	W3SMK	559	NJ	STEVE	5W
0321	W3PNL	579	PA	JOE	3W
0322	W6ABC	559	CA	JACK	5W
0323	W5SB	559	TX	BILL	5W
0323	N5ET	559	TX	BOB	5W
0324	KQ5U	599	TX	TERRY	5W
0325	AK7Y	559	AZ	GREG	5W
0326	WR5O	559	TX	DAVE	5W
0327	N0TK	559	CO	DAN	2W
0327	AD6JV	559	CA	BILL	5W
0328	W0RW	559	CO	PAUL	5W
0329	K0YWD	559	MT	SKIP	5W
0331	WA0RSE	559	MN	PAUL	3W
0333	WA5REJ	559	TX	ALLEN	5W
0333	AB5XQ	559	AR	BILL	5W
0334	KM1Z	559	VT	FRANK	5W
0335	K5DW	559	TX	DON	5W
0336	N4SO	599	AL	KEN	5W
0337	K7KY	559	WA	GARY	5W
0339	KE6RS	559	CA	RON	5W
0340	WB8WTU	559	OH	DENNIS	5W
0341	N5TU	559	TX	EARL	4W
0342	N0IT	559	MO	DAVE	5W

0343	KB1ENS	559	VT	JOHN	5W
0344	W5PF	559	TX	PAUL	5W
0347	N5UW	559	OK	CLIF	5W
0352	AK1P	559	CA	PAUL	5W
0353	WB8RTJ	579	OH	JIM	5W
0354	W4NJK	599	CA	CHARLIE	5W
0355	K2QO	559	NY	MARK	5W
0357	KK7GG	559	OR	MIKE	5W
0000	K0PC	559	MN	FOX	5W

-----

Date: Fri, 9 Mar 2001 09:04:36 -0800  
 From: "Trevor Jacobs" <fxtech@earthlink.net>  
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <k5di@zianet.com>  
 Subject: [93586] Re: Baluns  
 Message-ID: <004101c0a8bb\$05ec5920\$ca0df4d8@tjacobs>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

Hi Karl,

Have never tried the BA-1, but one of the other interest I have in the hobby is restoring old AM transmitters and running AM on 10, 20 and 75 meters with a few guys. I typically put out 40 to 100 watts of carrier with those rigs (and boy those AM signals sound nice! - especially some of the home brewed rigs!). The AM guys tend to home brew a lot too, and I have had a lot of fun playing with tubes. There's even a way to combine the 2 aspects of the hobby. check out:

[http://home.att.net/~walsov/PisWeakens/pisweakens\\_main.html](http://home.att.net/~walsov/PisWeakens/pisweakens_main.html) . Anyway, I needed a good 4:1 balun, so I bought the Centaur 4:1 ladder line balun and have been very pleased with it. It's the Centaur B41LW10-50 and it'll handle 3KW! You can find Centaur on the web at: <http://www.baluns.com> . It's bit more than your average balun (\$64.95), but they guarantee it for the life of the user "No Matter What"!!! Basically they just want to make sure you're happy! Charlie at Centaur told me that "It doesn't matter how you destroy it, even if you run over it with your car, we'll send you out a new one". Now that's service. They'll even pay the shipping both ways to replace it. I figure that it's the last balun that I'll ever buy. Plus, since the balun hangs under the eve of the house outside, I just ran a short (~3') of RG-8X out of the window to it and didn't have to bring the ladder line into the house. Anyway, just my 2 cents worth. I've been really happy with it. Take care...



73

Trev

KG6CYN

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Friday, March 09, 2001 5:55 AM

Subject: Baluns

>  
> I have had problems with the LDG BA-1 balun I built from a kit  
> since I built it. It is for sure a balun but it isn't 4 to 1 and there is  
> a reactive component that changes with frequency. Wierd.  
>  
> This morning I decided to look at the balun in my MFJ antenna  
> tuner. It is very close to 4 to 1 and has very little reactive component  
> and it works a lot better!  
>  
> So I'm at a loss as to what to do with the BA-1. It's a nice kit  
> and it looks just like the drawing and has 10 turns through the red toriod  
> core.  
>  
> Took apart the MFJ coil and it's a black toriod smaller than the  
> one in the BA-1 and it has 13 turns on it, using hook-up wire. It is  
> neater than my BA-1 but that isn't the answer I think. I think the MFJ is  
> far better designed. It has a high permability core and lots of turns. The  
> turns go clear around the core and are close spaced.  
>  
> I need to do the same thing on the BA-1. But not sure the core  
> provided has enough permability.  
>  
> Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>  
>

-----  
Date: Fri, 9 Mar 2001 10:07:51 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Bruce Muscolino <w6toy@erols.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [93587] Re: Baluns

Message-ID: <Pine.LNX.4.31.0103091004350.1066-100000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Bruce enter the new core materials in good cores. The MFJ balun is not perfect at every frequency from 1.8 to 30 MHz, but it's VERY CLOSE!!!! I put a 220 ohm resister on the balanced input and the output is 56 ohms resistive over that frequency range. According to my MFJ antenna Bridge.

On Fri, 9 Mar 2001, Bruce Muscolino wrote:

> Guys,  
>  
> Baluns are frequency dependent. Got that? Baluns are frequency  
> dependent. No balun will be flat from DC to light. No balun will  
> likely even give you 1:1 at all the ham frequencies.  
>  
> 73  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 9 Mar 2001 11:23:10 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93588] RE: Manhattan is moving to Arkansas  
Message-ID: <01C0A88B.531FFE20.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I'll add my opinion to the group saying Dennis' binaural receiver is really pretty. But if I understand his article correctly, it's not Manhattan construction, it's ugly style. Can't really tell from the pictures, but I don't think I see any pads. Regardless of that, Dennis is giving Ugly Construction a bad (or should I say good?) name with work like this.

For those that don't know Ugly--it's sorta like Manhattan, but you 'float' the circuit above the board instead of pads. To support the components, you drop high value resistors (maybe 1 to 10 M-Ohms) from connection points to the board. These high value resistors are used like stand-off resistors. In some ways, it's easier than Manhattan, but I think experimenting by changing out components is easier with Manhattan style.

72--Nick, WA5BDU

-----Original Message-----

From: Jim Kortge, K8IQY [SMTP:jokortge@prodigy.net]

At 04:02 PM 3/8/01 -0700, Bruce kk7zz wrote:

>Guys

>

>If you want to see another outstanding example of Manhattan construction  
>check out Dennis Payton's (N9JXY) work at:

>

>[http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/binaural.h](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/binaural.html)

>tml

>

>He should be added to the list of "greats" and invited to the contest...

>

Wow....Bruce is right. Dennis' work is very nice. I knew he liked to build, but don't think I've ever seen any of his work. Outstanding!!! Go check it out.

72 and see you all at Atlanticon, Arkiecon, and FDI

Jim, K8IQY

-----  
Date: Fri, 9 Mar 2001 11:30:12 -0600

From: "Bill Harbour" <bharbour@co.baldwin.al.us>

To: <qrp-1@Lehigh.EDU>

Subject: [93589] Re: Manhattan is moving to Arkansas

Message-ID: <01c501c0a8be\$9921b6b0\$181e0a0a@zcg102>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;  
charset="iso-8859-1"

I use a combination of manhattan and ugly...I call it "ManUg", speaking for myself of course...LOL

Bill

KD4PWB

<http://kd4pwb.homepage.com>

----- Original Message -----

From: Nick Kennedy <nkennedy@tcainternet.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, March 09, 2001 11:23 AM

Subject: RE: Manhattan is moving to Arkansas

> I'll add my opinion to the group saying Dennis' binaural receiver is really  
> pretty. But if I understand his article correctly, it's not Manhattan  
> construction, it's ugly style. Can't really tell from the pictures, but I  
> don't think I see any pads. Regardless of that, Dennis is giving Ugly  
> Construction a bad (or should I say good?) name with work like this.

>  
> For those that don't know Ugly--it's sorta like Manhattan, but you 'float'  
> the circuit above the board instead of pads. To support the components,  
> you drop high value resistors (maybe 1 to 10 M-Ohms) from connection  
points

> to the board. These high value resistors are used like stand-off  
> resistors. In some ways, it's easier than Manhattan, but I think  
> experimenting by changing out components is easier with Manhattan style.

>  
> 72--Nick, WA5BDU

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> At 04:02 PM 3/8/01 -0700, Bruce kk7zz wrote:

> >Guys

> >  
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> >check out Dennis Payton's (N9JXY) work at:

> >  
> >[http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/binaural.html](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/binaural.html)  
> >tml

> >He should be added to the list of "greats" and invited to the contest...

> >

> >  
> >Wow....Bruce is right. Dennis' work is very nice. I knew he  
> >liked to build, but don't think I've ever seen any of his work.  
> >Outstanding!!! Go check it out.

> >  
> >72 and see you all at Atlanticon, Arkiecon, and FDI

> >  
> >Jim, K8IQY

>

-----  
Date: Fri, 9 Mar 2001 12:35:35 -0500  
From: "ck" <ck@icubed.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93590] WTB: WBL PADDLES  
Message-ID: <003601c0a8bf\$59bf40e0\$47f9fea9@towersys>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Looking for the VL2 WBL dual paddles, will buy outright or trade my WBL VSL  
X3 single lever paddle.

Thanks  
Curt/K3ivb

-----  
Date: Fri, 9 Mar 2001 10:59:48 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93591] Re: [FWD] And They Worry About Cell Phones and Hams!  
Message-ID: <Pine.BSI.3.96.1010309105833.22676B-1000000@usr07.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't know how this reposting happened. I got up this morning  
and when I checked my email discovered that my ISP had resent all of my  
email from 5 March. Another benefit of the 21st century, no doubt.

Chris

On Mon, 5 Mar 2001, Chris Trask wrote:

>  
> Saw this yesterday on the rec.radio.amateur.antennas newsgroup,  
> and remembered that it wasn't that long ago that there was some discussion  
> here about exposure to EM fields from cell phones.  
>

```
>      ,-----.  
> /    What's all this \  
> / extinct stuff, anyhow? \  
> \ ----- '  
> _ |/  
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>   \ \ . ' . \  
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>        '-| )__ :. \  
>          | | | | \ '  
>           c_i c_i '-...'>.
```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

```
> ----- Forwarded message -----
> From: k3bu@aol.com (Yuri Blanarovich)
> Newsgroups: rec.radio.amateur.antenna
> Date: 05 Mar 2001 05:09:05 GMT
> Subject: And they worry about cell phones and hams! - (mad human disease?)
>
> This found at
> http://www.cnn.com/2001/TECH/science/03/02/new.weapon.02/index.html
> I hope that FCC and ARRL will now modify the RF exposure standards.
> Here is the proof that RF is harmless :-)
```

> What would we do without our "allcaring" governments?

>

> Yuri, K3BU

> Tesla RC N2EE

> \*\*\*\*\*

>

> >>>Pentagon's latest weapon: a pain beam

>

> Computer rendering of proposed Vehicle Mounted Active Denial System prototype

>

>

> March 2, 2001

> Web posted at: 3:02 p.m. EST (2002 GMT)

>

> WASHINGTON -- The Pentagon is touting a new "non-lethal" weapon designed to

> control threatening crowds by using a directed energy beam to inflict a painful

> but brief burning sensation.

>

> The weapon could be deployed during peacekeeping missions when deadly force is  
> not necessary, military officials announced Thursday.  
>  
> The weapon, called "active denial technology," was developed by Air Force  
> research laboratories in New Mexico and Texas as part of a multi-service  
> program run by the Marine Corps.  
>  
> "This revolutionary force-protection technology gives U.S. service members an  
> alternative to using deadly force," said Marine Corps Col. George P. Fenton,  
> director of the program at Quantico, Virginia.  
>  
> The weapon is designed to stop people by firing millimeter-wave electromagnetic  
> energy in a beam that quickly heats up the surface of the victim's skin. Within  
> seconds the person feels pain that is akin to touching a hot light bulb.  
>  
> Like being burned  
> "It's the kind of pain you would feel if you were being burned," said Rich  
> Garcia, a spokesman for the Air Force Research Laboratory at Kirtland Air Force  
> Base, New Mexico. "It's just not intense enough to cause any damage."  
>  
> The Pentagon has made a strong push to develop "non-lethal" weapons in the  
> aftermath of a humanitarian mission in Somalia in 1992-93 that put soldiers in  
> the line of fire in urban areas where civilians were present.  
>  
>  
> A demo version of the technology can test the level of pain  
>  
> The beam reaches only 1/64 of an inch underneath the skin, causing no permanent  
> injury, Pentagon researchers said.  
>  
> "When it penetrates in, it activates the pain sensors, and you feel a lot of  
> pain," Garcia said. "But there's no damage. It truly is a non-lethal device."  
>  
> Michael Murphy, an Air Force lab researcher, said the beam could be used  
> safely.  
>  
> "We've tested 72 humans that have had over 6,500 exposures," he said.  
>  
> The military will test a prototype of the weapon on goats and humans in  
> Kirtland over the next few months. The Marine Corps said \$40 million was spent  
> developing the weapon during the past decade.  
>  
> The Marine Corps plans to mount the microwave weapon on top of Humvees, the  
> Jeep-like vehicles used by both the Marines and the Army. Later it might be  
> used on aircraft and ships, officials said.  
>  
> The weapon could be fielded by 2009, officials said.  
>





Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

-----

What to do when high impedances are to be matched? Use a tuned LC resonant circuit. Either a tap on the coil, or a tap on the capacitor (two caps in series) is common. A variant is the common PI network: a combination of an inductor and two capacitors. An antenna tuner takes the "tuned circuit" road too - it contains L's and C's (some variable)

to match a wide variety of loads. Many tuners  
can handle high-Z loads efficiently.

-----  
Date: Fri, 09 Mar 2001 13:28:34 EST  
From: Shepherd@aol.com  
To: <qrp-1@lehigh.edu>  
Subject: [93593] Re: Baluns  
Message-ID: <42.11c9569d.27da7ad3@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

You bunch of incompetent morons call yourselves Hams? You're nothing more than a bunch of CBers, how did you get your license anyway? You should know everything about baluns and need not bother us MENSEA members with your silly questions.

You need to read the ARRL manuals again, got it? I mean come on, use some thought.

Of course, I'm just acting like this to prove a point to someone here.

There is no need to belittle someone when answering their question.

72, oo  
Dan, N8IE

-----  
Date: Fri, 9 Mar 2001 14:01:49 -0500 (EST)  
From: Kevin Anderson <k9iua@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [93594] Standalone QRP RTTY homebrew system?  
Message-ID: <383951105.984164510133.JavaMail.root@web425-wra>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I know that PSK-31 (and MFSK-16, etc.) seem to be the "rage" these days among the digital modes, especially for QRP operations.

Call me "old fashioned", a "luddite" or whatever,

but right now I find the contemplation of trying those modes to be out of reach. I don't have the necessary computer setup in the shack for one thing. And second, I don't know, but I have "trouble" with modes that require DSP hardware, a "fast" processor, 32-bit Win software etc just to make them happen (at least it seems with Digipan software and so on). It seems a bit much.

I am excited about that standalone PSK-31 system that was written up in QRPP recently, and I will watch that development.

But in the meantime, I've pondered many times whether one could create (homebrew) a viable stand-alone RTTY-based system using a QRP transceiver kit, PIC processor(s), a modem chip, LED display, and a keyboard. For under \$250 perhaps?

My thought was to run FSK instead of the SSB mode as most digital is done these days. A modem chip, along with a PIC processor, would decode the received signal for the LED. Transmitting however would be through the transceiver as FSK. The trick would be in the VFO and keying circuitry. For receiving, you'd have a fixed offset thrown into the BFO to get you the 2000 Hz or so offset needed for the audio to the modem chip to decode the signal shift. For transmitting, the PTT circuit would kick off that receive offset and bring the oscillator to the MARK setting and start it keying, and the key line (used when a SPACE character is needed) would throw on the needed 170Hz offset to the VFO to get the space.

I think it could be done, but don't have the brains to figure it all out. But nonetheless I will keep pondering it for now. The thought of a simple, dedicated digital system that doesn't require a Pentium 133 or better (plus all its attendant hardware and software to maintain), plus the requirements for a SSB transceiver (the neat PSK20 notwithstanding), is intriguing. Obviously there are issues of keeping the FSK signal clean, timing, cycle duration, etc., but those are all surmountable

I believe.

Oh well. Ponderings on a slow Friday....  
Back to your normal QRP discussions.  
Cheers/73. Kevin, K9IUA, QRP in North Dakota  
home: K9IUA@juno.com

-----  
Date: Fri, 09 Mar 2001 11:14:31 -0800  
From: Russ Dow <n7dw@pacbell.net>  
To: ctrask@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93595] Re: [FWD] And They Worry About Cell Phones and Hams!  
Message-ID: <3AA92B97.41411854@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Chris,

I don't think you're alone. This morning I received several  
postings dated Monday, and I think only one was from you. I  
thought it was odd, but didn't bother looking for a pattern.

To err is human. To really foul things up you need a computer.

73,  
Russ N7DW

Chris Trask wrote:

>  
> I don't know how this reposting happened. I got up this morning  
> and when I checked my email discovered that my ISP had resent all of my  
> email from 5 March. Another benefit of the 21st century, no doubt.  
>  
> Chris  
>  
> On Mon, 5 Mar 2001, Chris Trask wrote:  
>  
> >  
> > Saw this yesterday on the rec.radio.amateur.antennas newsgroup,  
> < etc... >

-----

Date: Fri, 9 Mar 2001 12:28:52 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Russ Dow <n7dw@pacbell.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93596] Re: [FWD] And They Worry About Cell Phones and Hams!  
Message-ID: <Pine.BSI.3.96.1010309122520.1176A-100000@usr05.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 9 Mar 2001, Russ Dow wrote:

> Chris,  
>  
> I don't think you're alone. This morning I received several  
> postings dated Monday, and I think only one was from you. I  
> thought it was odd, but didn't bother looking for a pattern.  
>

I wasn't planning on losing any sleep over it. :{)

What concerned me was that my last list of books for sale on a number of email reflectors was sent out for a second time, and I got a reply from one fellow who thought that I had listed a second copy of one that had been sold earlier. Not a thing I can do about that, but it was still an unpleasant surprise this morning.

Chris

>  
> Chris Trask wrote:  
> >  
> > I don't know how this reposting happened. I got up this morning  
> > and when I checked my email discovered that my ISP had resent all of my  
> > email from 5 March. Another benefit of the 21st century, no doubt.  
> >  
> > Chris  
>

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      / extinct stuff, anyhow? \
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High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

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IEEE Member #40274515

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Fri, 9 Mar 2001 14:31:35 -0500 (EST)  
From: laura fisher <[wlfisher@bellatlantic.net](mailto:wlfisher@bellatlantic.net)>  
To: "LINDA & JOHN &JEFF deluca@tellurian.net" <[deluca@garden.net](mailto:deluca@garden.net)>, Dave Wesien  
<[k2vx@amsat.org](mailto:k2vx@amsat.org)>, NJQRP@NJQRP.ORG, Howard Fisher <[howard.fisher@att.net](mailto:howard.fisher@att.net)>,  
berty lester <[berty@pioneeris.net](mailto:berty@pioneeris.net)>, Jan Scheuerman <[ylham@ix.netcom.com](mailto:ylham@ix.netcom.com)>,  
QRP-L <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>, Gene Filipponi <[navy19@optonline.net](mailto:navy19@optonline.net)>  
Subject: [93597] FWD: Save the power!  
Message-ID: <382534615.984166296697.JavaMail.root@web538-wrb>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: Al Saldarini <[alsaldarini@worldnet.att.net](mailto:alsaldarini@worldnet.att.net)>  
To: [b24@mach3www.com](mailto:b24@mach3www.com)  
Sent: February 9, 2001 11:44:53 PM GMT  
Subject: Save the power!

Don't forge to scroll about!

[http://antwrp.gsfc.nasa.gov/apod/image/0011/earthlights\\_dmsp\\_big.jpg](http://antwrp.gsfc.nasa.gov/apod/image/0011/earthlights_dmsp_big.jpg)

-----  
Date: Fri, 9 Mar 2001 14:31:59 EST  
From: KaeseWoche@aol.com  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [93598] 30 or 17 meters, which would you recommend?  
Message-ID: <76.870b888.27da89af@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I'm having great fun on 40 meter CW QRP, but am interested in trying one of the WARC bands, too, especially one that affords an opportunity for more DX and that is open in at least part of the daylight hours.

I wondered if any of you had any preferences. I notice that MFJ has its 17 m xcvr on sale, but not the 30 m one, which could mean that 17 is less popular than 13; or it could be some other reason. 30 seems like a good compromise between a day-only and a night-only band, and between one that's dead at sunspot max and dead at sunspot min. But 17 requires a lot less antenna. Whaddaya think? Thanks & 73,

Bruce Tindall N4JIU

-----  
Date: 9 Mar 2001 14:49:25 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-1@LeHigh.EDU  
Subject: [93599] FS - longish list  
Message-ID: <20010309194925.250.qmail@awcst094.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Realistic DX-160 Communications Receiver, as close to new as you will find.

Original box, 12v plug and standby switch plug. With the matching speaker=  
=2E

\$100 shipped CONUS

MFJ 9046X 6 meter radio with microphone. Original box and manual. Excellent condition.

\$185.00 shipped CONUS

Heil Pro 5 Single-sided Headset, single ear, with HC-4 element. Kenwood adapter cable. Excellent condition. =

\$85.00 shipped

Bencher XZ-2 audio CW filter, requires 2-16vdc (not included). Switch positions are out, SSB, 150, 115, 90, out. Excellent condition with original instructions.

\$50.00 shipped

TRAC deluxe message memory keyer, model TE284. Never used. Told it worked= great.  
\$30.00 shipped

OHR SCAF, Bandwidth positions are 2440, 574, 383, 230, 108. Works excellen= nt  
with minimal ringing. Includes instruction manual. Like new. Very good au= dio  
CW filter.  
\$50.00 shipped

W2IHY Dual Band Audio Equalizer, Their newest model is black, this one ha= s a  
brown cabinet with a beige front (same internals). Has slide switches for= gate  
delay, level, bass, and treble. Includes wall wart and Icom microphone ca= ble.  
Can be used with virtually any radio with the right adapter. Excellent  
condition.  
\$80.00 shipped

Radio Shack SWR meter. 3-30 MHz, handles up to 1 KW. # 21-533, like new. =  
\$15.00 shipped

Motorola mobile-type speaker, new type, black, excellent appearance and a= udio.  
Square shape. =  
\$20.00 shipped

Uniden mobile-type speaker, black, excellent. Square shape, will also wor= k  
fine in the station. Excellent appearance and audio.  
\$20.00 shipped

MFJ World Band Short-wave Radio, Model MFJ-8100, 5 bands (3.5-4.3 MHz, 5.85-7.40 MHz, 9.5 to 12.00 MHz, 13.2 to 16.4 MHz, 17.5 to 22 MHz). Like = new.  
Will include a Realistic amplified speaker and a set of Nova folding headphones. Original manual. Looks new. =  
\$45.00 shipped CONUS

Radio Shack Amplified Short-wave Antenna, Cat. 20-280. Like new.  
\$20.00 shipped CONUS



SKYTEC speaker, tuned port type speaker, cylindrical in shape. Tunes by the adjustment of a smaller cylinder within it. Works surprisingly well and it is neat older low tech. Have two - one is minus the clear Plexiglas cover for the base (doesn't show or alter use) - the other has had foam rubber added to the base by a previous owner. Both are fair condition. =

\$15.00 (each) shipped CONUS =

Collectible keys -

1. TE-NE-KE key - Labeled "Porta Paddle" and is on a rectangular bar stock base that has been chromed. It has a 1/8" stereo plug at its end for the connection and has #121 written on the bottom. I believe it to be an early key from when the original builder was making them (has TE-NE Products sticker on the bottom). Like new and appears unused.  
\$50 CONUS

2. TE-NE-KE key - A mobile version of the TE-NE-KE that appears to have been =

made by the original designer of the paddle. This is the only one like it I've ever seen. Marked "Mobile Key" and mounted on a curved brass strip that has a Velcro strap (leg mount) arrangement. Mounted to be used right-handed. Very nice and it also has the 1/8" stereo plug in the end of the key for attachment. Same builder label on the bottom, but not numbered. Appears to have never been used. \$50.00 CONUS

Heil EQ-300 Microphone Equalizer. Adjustable high and low as well as output level. Includes wiring instructions from Bob Heil. =

\$50.00 CONUS

Please reply off list only. Thanks.

-----  
Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>  
-----

Date: Fri, 09 Mar 2001 14:49:50 EST  
From: Shepherd@aol.com  
To: <qrp-1@lehigh.edu>  
Subject: [93600] Re: 30 or 17 meters, which would you recommend?  
Message-ID: <84.127df631.27da8ddf@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Bruce,  
I'd say go with 30, it seems to draw a lot of good DX.

Just my \$.02

72, oo  
Dan, N8IE

In a message dated Fri, 9 Mar 2001 2:34:12 PM Eastern Standard Time,  
KaeseWoche@aol.com writes:

<< I'm having great fun on 40 meter CW QRP, but am interested in trying one of the WARC bands, too, especially one that affords an opportunity for more DX and that is open in at least part of the daylight hours.

I wondered if any of you had any preferences. I notice that MFJ has its 17 m xcvr on sale, but not the 30 m one, which could mean that 17 is less popular than 13; or it could be some other reason. 30 seems like a good compromise between a day-only and a night-only band, and between one that's dead at sunspot max and dead at sunspot min. But 17 requires a lot less antenna. Whaddaya think? Thanks & 73,

Bruce Tindall N4JIU  
>>

-----  
Date: Fri, 09 Mar 2001 19:50:47  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: KaeseWoche@aol.com, qrp-1@Lehigh.EDU  
Subject: [93601] Re: 30 or 17 meters, which would you recommend?  
Message-ID: <F128k9XPzZctEBoxEMs00006257@hotmail.com>

Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Its about 3 PM here in Ohio, and I tuned across both bands quickly. I heard two stations on 30. On 17 I heard 1 cw station and a bunch of ssb stations. 17 will give you better day dx while the sunspots are good, a year or two at least. By then you will have other rigs if you are like many of us. On the other hand 30 is a more workhorse dependable band every year and there is DX there. Maybe a K-1 with 30 and 17?

73 - Mike WA8BXN

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Fri, 9 Mar 2001 14:01:49 -0600  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'Shephed@aol.com'" <Shephed@aol.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [93602] RE: 30 or 17 meters, which would you recommend?  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA013034FD@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Bruce,  
I agree with Dan -- 30M is a G-R-E-A-T band, and as Dan said,  
"It seems to draw a lot of good DX."

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: Shephed@aol.com [SMTP:Shephed@aol.com]  
> Sent: Friday, March 09, 2001 1:50 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: 30 or 17 meters, which would you recommend?  
>  
> Bruce,  
> I'd say go with 30, it seems to draw a lot of good DX.  
>  
> Just my \$.02  
>

> 72, oo  
> Dan, N8IE  
>  
> In a message dated Fri, 9 Mar 2001 2:34:12 PM Eastern Standard Time,  
> KaeseWoche@aol.com writes:  
>  
> << I'm having great fun on 40 meter CW QRP, but am interested in trying  
> one of  
> the WARC bands, too, especially one that affords an opportunity for more  
> DX  
> and that is open in at least part of the daylight hours.  
> <snip>

-----  
Date: Fri, 9 Mar 2001 14:11:14 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <wlfisher@bellatlantic.net>, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>  
Subject: [93603] Re: Save the power!  
Message-ID: <014401c0a8d5\$1d0e9810\$ea2baec7@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm curious as to how this relates to amateur radio and QRP specifically?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----  
From: "laura fisher" <wlfisher@bellatlantic.net>  
To: "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>  
Sent: Friday, March 09, 2001 1:31 PM  
Subject: FWD: Save the power!

> -----Original Message-----  
> From: Al Saldarini <alsaldarini@worldnet.att.net>  
> To: b24@mach3www.com  
> Sent: February 9, 2001 11:44:53 PM GMT

> Subject: Save the power!  
>  
>  
> Don't forget to scroll about!  
>  
> [http://antwrp.gsfc.nasa.gov/apod/image/0011/earthlights\\_dmsp\\_big.jpg](http://antwrp.gsfc.nasa.gov/apod/image/0011/earthlights_dmsp_big.jpg)  
>  
>

-----  
Date: Fri, 9 Mar 2001 15:26:21 -0500  
From: "Berry, Dennis J." <DennisB@xetron.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93604] RE: Save the power!  
Message-ID: <7D72C1B2F7A3D21191F8006097149AC00173174C@s3.xetron.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Not sure if it does specifically, but it sure was a beautiful picture I thought.

Adds some dimension to those 'miles per milliwatt' records I hear about in here.

Dennis, NU8S

I'm curious as to how this relates to amateur radio and QRP specifically?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: [dandooley@pipeline.com](mailto:dandooley@pipeline.com)  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----  
From: "laura fisher" <wlfisher@bellatlantic.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, March 09, 2001 1:31 PM  
Subject: FWD: Save the power!

> -----Original Message-----  
> From: Al Saldarini <alsaldarini@worldnet.att.net>  
> To: b24@mach3www.com  
> Sent: February 9, 2001 11:44:53 PM GMT  
> Subject: Save the power!  
>  
>  
> Don't forget to scroll about!  
>  
> [http://antwrp.gsfc.nasa.gov/apod/image/0011/earthlights\\_dmsp\\_big.jpg](http://antwrp.gsfc.nasa.gov/apod/image/0011/earthlights_dmsp_big.jpg)  
>  
>

-----  
Date: Fri, 9 Mar 2001 15:29:04 -0500  
From: Rick Robinson <rrobbins@email.uncc.edu>  
To: hubby2k@hotmail.com  
Cc: qrp-1@lehigh.edu  
Subject: [93605] Re: 30 or 17 meters, which would you recommend?  
Message-ID: <v03102805b6ceed029f03@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

There's always someone on 30 meters to work, night and day. It's a great band.

Anyone have a DSW-30 they want to part with.

72,

Rick kf4ar

-----  
Date: Fri, 9 Mar 2001 12:42:44 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [93606] N6WG Fox Preliminary Report  
Message-ID: <002701c0a8d9\$7fe11180\$aed2fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Looks like my first sending of this didn't take, so here it is again.

-----  
Wow, now that was fun. I think this was my best Fox run in a while. I make it 95 hunters got a piece of my hide.

Conditions got a little rough at times. I had digital QRM smeared all across the freqs where the hounds were baying. Had to just wait it out or find a signal strong enough to bull its way through the QRM. From some posts I've already seen, I gather it was no better on the Fox's frequency at times. There were times I could hear hunters at least four deep on the same freq, generating almost white noise, completely uncopiable. As the hunters spread out, I was able to pull them out through the QRM.

Would QRD be a good signal for digital interference?

My compliments to all the hardy hunters who braved the electronic elements to come out hunting Fox. I hope to hear all the usual suspects next season. Thanks for a fun time as your Fox.

Please let me know any needed corrections. There might be a typo or two buried in the log, too :-)

73, Bob N6WG  
The Golden Fox

TIME	CALL	RST	ST	NAME	POWER
0200	K0PC	559	MN	PAT	5W
0202	NK6A	559	CA	DON	5W
0203	NQ7X	559	AZ	FLOYD	5W
0204	N0UR	559	MN	JIM	5W
0205	K0EVZ	579	ND	DOC	2W
0206	WE7G	559	UT	WAYNE	5W
0207	W6ABC	599	CA	JACK	5W
0208	K5OI	559	NM	TIM	5W
0209	N1FN	559	CO	ET	5W
0210	K7RE	559	AZ	BRIAN	5W
0211	N5TW	599	TX	TOM	5W
0212	VE6EX	559	AB	DAN	5W
0213	K0MP	559	CO	BILL	5W
0214	W9UQB	559	AZ	MIKE	5W
0215	KK5LD	559	TX	DAN	5W
0216	K7FD	599	OR	JOHN	5W
0217	W4NJK	599	CA	CHARLES	5W
0218	W0PWE	579	IA	JERRY	5W
0219	AA7XA	579	OR	FRANK	5W
0220	N1LN	559	TX	BRUCE	5W
0221	N2WW	559	CO	LARRY	5W
0222	W0RSP/7	579	AZ	ADE	2W

0224 KB7WW 559 OR ART 5W  
0225 W7TQK 559 ID BILL 5W  
0226 K10J 559 TX OK 5W  
0227 N5GJQ 569 LA MIKE 5W  
0228 K5VUU 559 TX ED 5W  
0228 K5AAR 559 OK DON 5W  
0229 K6VNX 559 CA ARLEN 5W  
0231 K5DI 579 NM CARL 5W  
0232 VA6RF 559 AB EARL 5W  
0233 K9IUA 559 ND KEVIN 5W  
0235 NK7M 559 AZ BOB 5W  
0235 W5YR 559 TX GEORGE 5W  
0237 KE6RS 599 CA RON 5W  
0238 N5EN 559 TX STEVE 5W  
0239 K5JHP 559 TX BILL 5W  
0240 NW7DX 559 WA BEN 5W  
0241 K5LN 559 TX BILL 5W  
0242 W0CH 559 CO DAVE 5W  
0243 N5IW 559 TX DAVE 5W  
0244 AE9K 559 WI BRIAN 1W  
0245 W5USJ 559 TX CHUCK 3W  
0246 N4ROA 559 VA DAN 5W  
0247 N0AR 559 MN SCOTT 4W  
0248 AC5JH 559 OK TOM 5W  
0249 N8IE 559 OH DAN 5W  
0252 N9AW 559 WI JERRY 5W  
0253 AA7EQ 559 AZ BOB 5W  
0255 WA9TZE 559 WI JIM 5W  
0256 K5HKX 559 TX PAUL 5W  
0257 K0FRP 579 CO AL 5W  
0258 K5EOA 559 LA WAYNE 5W  
0259 K5ZTY 559 TX BILL 5W  
0300 N3AO 559 PA CARL 5W  
0302 AA0ZZ 559 MN CRAIG 5W  
0303 W0UFO 559 MN MERT 5W  
0305 N5TU/M 559 TX EARL 5W  
0308 W0RW 579 CO PAUL 5W  
0309 W8RU 559 MI RON 5W  
0310 N0TK 559 CO DAN 2W  
0311 WA50JE 559 TX DANNY 5W  
0312 W5TB 559 TX DOC 5W  
0313 N4SO 599 AL KEN 5W  
0314 K4FB 559 FL PAUL 5W  
0315 N5LU 559 OK BILL 5W  
0316 WR50 559 TX DAVE 5W  
0317 K5DW 559 TX DON 5W  
0319 AK7Y 559 AZ GREG 5W  
0320 AD6JV 599 CA BILL 5W



0321 KI0II 599 CO RON 5W  
0322 KK7GG 559 OR MIKE 5W  
0325 W5HNS 559 TX HENRY 5W  
0326 WA5REJ 559 TX ARLEN 5W  
0328 WB8ICN 559 MI MIKE 5W  
0331 N1TP 559 FL TOM 5W  
0332 N5ET 569 TX BOB 5W  
0333 KQ5U 599 TX TERRY 5W  
0335 KC1FB 559 CT JIM 5W  
0336 AF4PS 539 FL MAC 5W  
0338 W8SFF 559 MI STEVE 5W  
0342 W9XU 559 WI LON 5W  
0343 N7DW 599 CA RUSS 5W  
0345 N5UW 559 OK CLIFF 5W  
0346 WE9K 539 WI GLENN 5W  
0347 AF4LQ 549 KY MIKE 5W  
0348 AK1P 599 CA PAUL 5W  
0349 W6KI 579 CA GLENN 5W  
0352 K7KY 55 WA GARY 5W  
0353 K9IS 449 WI STEVE 4W  
0354 WS4S 559 TN CONARD 5W  
0356 K0YWD 559 MT SKIP 5W  
0357 W5PF 559 TX PAUL 5W  
0359 N0IT 569 MO DAVE 5W  
0359 K4ADI 559 SC FRANK 5W

-----  
Date: Fri, 9 Mar 2001 14:10:45 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <Shephed@aol.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93607] Re: Baluns  
Message-ID: <Pine.LNX.4.31.0103091409190.1365-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dan, I have your call and your name. I will make it a point to delete all mail from you and make sure never to answer your CQ.

On Fri, 9 Mar 2001 Shephed@aol.com wrote:

> You bunch of incompetent morons call yourselves Hams? Your nothing more than a bunch of CB&#8217;ers, how did you get your license anyway? You should know everything about baluns and need not bother us MENSA members with your silly

questions.

>

> You need to read the ARRL manuals again, got it? I mean come on, use some thought.

>

> Of course, I'm just acting like this to prove a point to someone here.

>

> There is no need to belittle someone when answering their question.

>

>

> 72, oo

> Dan, N8IE

>

>

>

>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----

Date: Fri, 9 Mar 2001 14:11:51 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-l@lehigh.edu>

Subject: [93608] Balun measurements

Message-ID: <Pine.LNX.4.31.0103091411250.1365-100000@cannac.ampr.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have made some measurements of 2 baluns using my Vecronics Model VEC-584B which is a MFJ made antenna analyser. A real nice box. I got nicad batteries for it and it's now the handiest good antenna tool I have ever had. The measurements can't be better than plus or minus 10 percent, but that's far better than a guess.

The 2 baluns are first a 4-1 balun mounted inside the MFJ model MFJ-945B Antenna Tuner, and the LDG made BA-1 Balun kit. The BA-1 as I constructed the kit was just too bad to use. I took off the wire supplied by the kit and wound 20 turns of hook-up wire on the core. The readings provided are with this configuration.

Here is what I measured:

#### MFJ

Freq MHz	SWR	Z ohms	R ohms	X ohms
30	1.5	69	67	16
20	1.2	63	64	none
10	1.1	59	60	none
5	1.1	57	57	none
2.5	1.2	57	57	7
1.8	1.2	56	55	8

#### BA-1 Balun

30	1.6	76	74	16
20	1.3	68	69	none
10	1.3	64	64	6
5	1.5	60	56	20
2.5	2.1	49	38	31
1.8	2.6	41	28	30

It's obvious since the calculated value for the balun with a 220 ohm resistor as a load should be 55 ohms, the MFJ balun is almost perfect from 5 to 20 MHz and useable for sure from 1.8 to 30 MHz. In contrast the BA-1 balun is useable from 10 to 30 MHz but bad from 1.8 to 10 MHz.

The MFJ balun should work well over the entire HF spectrum and my experience says this is true. The BA-1 balun should introduce trouble on frequencies below 10 MHz and that is also proven by experience.

The BA-1 balun comes in a very nice box with connectors on one end for the 450 ohm ribbon and has a PL257 connector on the other end. I'll search my junk box for a simple black powdered iron coil form and wind another 4-1 coil on that and hope for MFJ results...or see if I can buy a real MFJ balun.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Fri, 9 Mar 2001 13:22:34 -0800  
From: "Jason Milldrum" <thecabal@mindspring.com>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [93609] RE: Baluns

Message-ID: <NEBBKHNMEDODBDLOKEPJMEHODCAA.thecabal@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Some folks just can't detect sarcasm when they see it...

Jason Milldrum, NT7S  
Henderson, Nevada, USA  
ARRL | QRP-L #2209 | FPQRP #118  
Web: <http://thecabal.home.mindspring.com/>

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Karl F. Larsen  
> Sent: Friday, March 09, 2001 1:11 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Baluns  
>  
>  
>  
> Dan, I have your call and your name. I will make it a point to delete all  
> mail from you and make sure never to answer your CQ.  
>  
> On Fri, 9 Mar 2001 Shepherd@aol.com wrote:  
>  
> > You bunch of incompetent morons call yourselves Hams? Your  
> nothing more than a bunch of CB&#8217;ers, how did you get your  
> license anyway? You should know everything about baluns and need  
> not bother us MENSEA members with your silly questions.  
> >  
> > You need to read the ARRL manuals again, got it? I mean come  
> on, use some thought.  
> >  
> > Of course, I&#8217;m just acting like this to prove a point to  
> someone here.  
> >  
> > There is no need to belittle someone when answering their question.  
> >  
> >  
> > 72, oo  
> > Dan, N8IE  
> >  
> >  
> >  
> >

>  
> Yours Truly,  
>  
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
>

-----  
Date: 9 Mar 2001 13:25:49 -0800  
From: Mike Pupeza <mpupeza@altavista.com>  
To: w6toy@erols.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [93610] Re: Baluns  
Message-ID: <20010309212549.12474.cpmta@c012.sfo.cp.net>  
Content-Type: text/plain  
Content-Disposition: inline  
Mime-Version: 1.0

That may be Bruce! BUT, I've got a bunch of 4:1 units here that are pretty flat between 3.5 to 21 MHz, and less than 1.2:1 all that way with a 200 ohm resistor terminator. The LDG wasn't close - but other ones that I wound were!

Mike VE3EQP.....>  
On Fri, 09 March 2001, Bruce Muscolino wrote:

>  
> Guys,  
>  
> Baluns are frequency dependent. Got that? Baluns are frequency  
> dependent. No balun will be flat from DC to light. No balun will  
> likely even give you 1:1 at all the ham frequencies.  
>  
> 73

Find the best deals on the web at AltaVista Shopping!  
<http://www.shopping.altavista.com>

-----  
Date: Fri, 09 Mar 2001 21:41:39 +0000  
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [93611] Re: Manhattan is moving to Arkansas  
Message-ID: <5.0.2.1.0.20010309214017.00a0aa00@pop.primenet.com>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Gang,

>

>Let me also add my vote to honor the great work of Dennis. It looks great in the  
>pics and pics don't

>do justice to a lot of work.

>

>I am sure that Jim, Dennis, and I are not the only ones doing this kind of work.  
>There are

>an even larger number of "closet QRPers" or "lone rangers" as I call them that go  
>about

>quietly building and operating without showing their work to others.

>

>The main purpose of Atlanticon, ArkieCon, Pacificon, Dayton, and any other ham  
>fest is

>to get to meet people and exchange ideas. At every meeting that I have had the  
>honor of

>attending I have seen at least one idea brought up that did get to see daylight  
>and become

>reality in some manner.

>

>Don't let anyone scare you away from bringing your work out to these meetings for  
>show-and-tell. Ugly construction has as much beauty as Manhattan built  
>equipment.

>I know that some people think that the Manhattan Style of building is over rated  
>and

>over played. The intent is not to place one method above the other. Everyone  
>has

>his or her methods and many of us do both. It's just that you won't see anything  
>that

>I do ugly-style outside the front door of the house or lab. :-) ;-) It depends  
>upon your

>goal at the time you build something as to which you chose. Ugly style requires  
>fewer

>tools but a supply of high valued resistors greater than 5Mohms. I always love  
>to see

>Roy Lewallen's W7EL QRP rig when he shows it at Pacificon and other places.

>I know that it would drive me crazy to do something as compact as that in the  
>cubic

>configuration that he used..... :-)

>

>I just built a critter using the small Radio Shack solderless breadboard. This  
>sells

>at R/S under part number 276-175 and is an Archer Experimenter Socket. A smaller

>version of the breadboard used for digital logic design that has been around for years.  
>I usually use a large one for a lot of stuff for temporary assembly and testing. I learned  
>about this particular one in a PIC programming book and liked it and bought one of  
>the small ones from R/S.  
>  
>I just put together something a few days ago that came from the AZ sQRPion group that you  
>will hear about before Tuthill. I don't think I can mention the project, but it is something  
>that you will want to come to Tuthill and witness. It may or may not be available afterwards.  
>I don't know. I can't tell. I know nothing..... It boggles the mind. But I just wanted to get  
>the circuit up and running in a hurry and didn't want to commit to Manhattan yet. That will  
>be done in the next few days after the swapfest on Saturday in Scottsdale AZ.  
>  
>I personally know of a number of "secret" projects or WIP (work in progress) ideas that  
>will be announced at various times in the future. This is an exciting time for QRPers and  
>experimenters. Without all the work that you see going on you will see QRP work  
>diminish and die off. Maybe even the loss of a large number of stations on the air.  
>  
>In the time between now and Christmas you will see even more projects come online  
>for you to build and experiment with in your spare time and with your spare change.  
>I'm hyped.  
>  
>I think there are more people building and designing and experimenting using Ugly  
>and Manhattan now than ever before. We have more parts and more information to  
>play with than ever before.  
>  
>So if you have built something and/or are building something, then by all means  
>bring it out for others to admire and witness what you are doing.....  
>  
>So as they say ----- Just Do It!  
>  
>  
>FYI es cu soon,

Chuck Adams, K7QO

Prescott, AZ

k7qo@primenet.com <http://www.qsl.net/k7qo> <http://>

moon.pr.erau.edu/~adamsc

TMPS-2001 Mar 01, 2001 Q's = 311 States = 42 Counties = 261 DXCC = 12  
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

States Needed AK DE IN MS RI VT VA WV

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6

-----  
Date: Fri, 9 Mar 2001 16:43:05 -0500  
From: "Berry, Dennis J." <DennisB@xetron.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [93612] RE: Baluns  
Message-ID: <7D72C1B2F7A3D21191F8006097149AC001731751@s3.xetron.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

It almost sounds like LDG got a batch of bad cores in, or improperly marked ones anyhow. Wouldn't the perm on the core be the only cause for such a wide discrepancy in this thread??

Dennis, NU8S

Subject: Re: Baluns

That may be Bruce! BUT, I've got a bunch of 4:1 units here that are pretty flat between 3.5 to 21 MHz, and less than 1.2:1 all that way with a 200 ohm resistor terminator. The LDG wasn't close - but other ones that I wound were!

-----  
Date: Fri, 9 Mar 2001 15:42:39 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <nkennedy@tcainternet.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [93613] Re: Manhattan is moving to Arkansas  
Message-ID: <00f501c0a8e1\$ddeb04a80\$0b9b66a6@default>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Another neat thing about "Manhattan" is the ability to troubleshoot very fast as compared to a circuit board. The good ones ( mainly Chuck's) I've seen are laid out and flow just like the schematic. Dennis's rig sure looked pretty and enjoyed reading about it. If you want to see some great ugly-not-so-ugly rigs, drop by Don Dorn's, K5AAR, sometime! His rigs not only look pretty, but work very well!!

73 de w5jay..

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, March 09, 2001 11:23 AM  
Subject: RE: Manhattan is moving to Arkansas

> I'll add my opinion to the group saying Dennis' binaural receiver is really  
> pretty. But if I understand his article correctly, it's not Manhattan  
> construction, it's ugly style. Can't really tell from the pictures, but I  
> don't think I see any pads. Regardless of that, Dennis is giving Ugly  
> Construction a bad (or should I say good?) name with work like this.  
>  
> For those that don't know Ugly--it's sorta like Manhattan, but you 'float'  
> the circuit above the board instead of pads. To support the components,  
> you drop high value resistors (maybe 1 to 10 M-Ohms) from connection  
points  
> to the board. These high value resistors are used like stand-off  
> resistors. In some ways, it's easier than Manhattan, but I think  
> experimenting by changing out components is easier with Manhattan style.  
>  
> 72--Nick, WA5BDU

> -----Original Message-----

> From: Jim Kortge, K8IQY [SMTP:jokortge@prodigy.net]

> At 04:02 PM 3/8/01 -0700, Bruce kk7zz wrote:

> >Guys

> >

> >If you want to see another outstanding example of Manhattan construction

> >check out Dennis Payton's (N9JXY) work at:

> >

> >[http://www.natworld.com/ars/pages/back\\_issues/2001\\_text/0301\\_text/binau](http://www.natworld.com/ars/pages/back_issues/2001_text/0301_text/binau)  
> ral.h  
> >tml  
> >  
> >He should be added to the list of "greats" and invited to the contest...  
> >  
>  
> Wow....Bruce is right. Dennis' work is very nice. I knew he  
> liked to build, but don't think I've ever seen any of his work.  
> Outstanding!!! Go check it out.  
>  
> 72 and see you all at Atlanticon, Arkiecon, and FDIM  
>  
> Jim, K8IQY  
>  
>

-----  
Date: Fri, 9 Mar 2001 15:48:01 -0600  
From: "Matthew Collier/cis/evp/Okstate" <mwc@okstate.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [93614] Re: Save the power!  
Message-ID: <0F8FC4DDC5.C74977F9-0N86256A0A.00765E8D@cis.okstate.edu>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

I think there is a connection here. As an amateur astronomer, I am a long-time aficionado of dark skies. Two specific principals that IDA (the International Dark-Sky Association) champions are 1) pointing light where you need it, i.e. NOT up into space, and 2) only using as much light as you need. I think these two principals are followed by many QRP enthusiasts. The only difference is that we do it in the radio frequency rather than daylight frequency regions of the spectrum.

When I discovered the QRP-L website, I delighted in the quote at the top which reads, "It is a shame to do with more, when less will do." -William of Occum, 1290-1350. In fact, I forwarded the quote on to IDA as a quotable quote.

That picture and many more can be found on the IDA website at <http://www.darksky.org/ida/images.html>

72's de Matthew, AD5AP

-----  
Date: Fri, 9 Mar 2001 14:00:26 -0800  
From: "Rich Wilkerson" <richqrp@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93615] Re: Baluns  
Message-ID: <002801c0a8e4\$5949ea00\$f5460418@elcjin1.sdca.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK, now I know I am not a ham, cause I don't know what a "8217;er" is.  
Can someone please tell me what that is? I really don't know.  
Rich / WD6FDD

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, March 09, 2001 1:10 PM  
Subject: Re: Baluns

>  
> On Fri, 9 Mar 2001 Shephed@aol.com wrote:  
>  
> > You bunch of incompetent morons call yourselves Hams? Your nothing more  
than a bunch of CB&#8217;ers, how did you get your license anyway?

-----  
Date: Fri, 09 Mar 2001 17:04:44 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: mpupeza@altavista.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [93616] Re: Baluns  
Message-ID: <3AA9537C.D4FC8C@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike,

Good for you! Use them up to 21 mHz. You now know why they don't work  
at 28 mHz, but who cares, 28 mHz will one day go the way of the dodo for  
another 10 years or so!

-----  
Date: Fri, 9 Mar 2001 14:12:44 -0800  
From: "blinn" <blinn@smgazette.com>  
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93617] Re: Save the power!  
Message-ID: <00cf01c0a8e6\$13065360\$a4b8e5d8@blinn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dan... those "lights" you see within the map are actually sub-5 watt amateur radio emissions... applicable, yes?

Interesting picture.  
Bill

--

-----  
Date: Fri, 9 Mar 2001 16:26:41 -0600  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <blinn@smgazette.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93618] Re: Save the power!  
Message-ID: <020b01c0a8e8\$062b6480\$ea2baec7@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ah hah! Vacuum tube transmitters!

White heaters?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle  
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "blinn" <blinn@smgazette.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, March 09, 2001 4:12 PM

Subject: Re: Save the power!

> Dan... those "lights" you see within the map are actually sub-5 watt  
amateur

> radio emissions... applicable, yes?

>

> Interesting picture.

> Bill

>

>

> --

>

-----  
Date: Fri, 09 Mar 2001 16:42:06 -0600

From: ted kell <tedkell@ev1.net>

To: qrp-1@lehigh.edu

Subject: [93619] SMD to DIP adapter

Message-ID: <200103091642324.SM00350@home>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii";

Earlier on this list, I think, I mentioned that I had seen some SMD to DIP  
adapters in the Mouser

catalog. Someone, I don't know who, asked me to get them the part numbers. I  
lost the mail, but

remembered the request. I have now found my Mouser catalog. In the issue #600,  
Nov '99 to

January 2000, that's really an old catalog but I don't know where a newer one is,  
on page 159, top right

corner there are a series of adapters called "SOIC and SOJ to DIP adapters". They  
are numbered as

535-NN-X50000-10 where NN is the number of pins, 8, 14, 16, 18, 20, 24, and 28.

These are

available in three widths, X= 3 (.3"), 4 (.4"), and 5 (.5"). Prices are \$5-10.

There are also some PLCC

to DIP adapters. Those run in the \$20+ range.

Have Fun,

Ted  
N3Ted

-----  
Date: Fri, 9 Mar 2001 17:59:00 -0500  
From: "Pastor-KC1DI" <elbc@pivot.net>  
To: <KaeseWoche@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93620] Re: 30 or 17 meters, which would you recommend?  
Message-ID: <007101c0a8ec\$88b9cc80\$521299d0@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

30m hands down for most qso's I've worked qrp dxcc on that band over a 2  
year period.. it's a great qrp band, remember that other U.S. Stations are  
limited to 250w on 30m not so on 17 m.  
73 Dave

----- Original Message -----  
From: <KaeseWoche@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, March 09, 2001 2:31 PM  
Subject: 30 or 17 meters, which would you recommend?

> I'm having great fun on 40 meter CW QRP, but am interested in trying one  
> of  
> the WARC bands, too, especially one that affords an opportunity for more  
> DX  
> and that is open in at least part of the daylight hours.  
>  
> I wondered if any of you had any preferences. I notice that MFJ has its  
> 17 m  
> xcvr on sale, but not the 30 m one, which could mean that 17 is less  
> popular  
> than 13; or it could be some other reason. 30 seems like a good  
> compromise  
> between a day-only and a night-only band, and between one that's dead at  
> sunspot max and dead at sunspot min. But 17 requires a lot less antenna.

> Whaddaya think? Thanks & 73,  
>  
> Bruce Tindall N4JIU  
>

-----  
Date: Fri, 09 Mar 2001 17:28:54 -0600  
From: Paul Dryer <psdryer@ticnet.com>  
To: mwc@okstate.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [93621] Re: Save the power!  
Message-ID: <3AA96736.8D767384@ticnet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

As another amatuer astronomer and telescope builder, I look for dark skies for astronomy and camping. Astro during the night and backpack QRPing during the day. You'd be surprised how one tiny lightbulb on the horizon can spoil a wilderness outing, much less a good astro photo. I have to drive to Big Bend National Park or S E Oklahoma from Dallas to get this kind of darkness. 25 years ago, 15 miles south of Dallas would do it. Things change.  
paul, kd5ivp

Matthew Collier/cis/evp/Okstate wrote:

> I think there is a connection here. As an amateur astronomer, I am a  
> long-time aficionado of dark skies. Two specific principals that IDA (the  
> International Dark-Sky Association) champions are 1) pointing light where  
> you need it, i.e. NOT up into space, and 2) only using as much light as you  
> need. I think these two principals are followed by many QRP enthusiasts.  
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>  
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> of Occum, 1290-1350. In fact, I forwarded the quote on to IDA as a  
> quotable quote.  
>  
> That picture and many more can be found on the IDA website at  
> <http://www.darksky.org/ida/images.html>  
>  
> 72's de Matthew, AD5AP

-----  
Date: Fri, 9 Mar 2001 18:30:59 -0500  
From: "ZOOM" <kandiparker@sympatico.ca>  
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [93622] Re: Baluns  
Message-ID: <00c701c0a8f1\$1db28f80\$39cdfea9@einstein>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

What the heck is a MENSA member?  
That's a contradiction of terms! MENSA and Ham Radio Operator!  
MENSA members don't have the interest or the time to be bothered with a hobby! There too busy trying to get tha cold fusion thing working hihi!  
Anyway no such thing as a stupid question! So keep them coming. that's what this NG is for! The internet has brought us all closer in that a question can be answered in a manner of seconds from anywhere on the planet. This creates better informed operators aquiring new skills and knowledge!

Cheers,  
Robert  
VE3RPF

----- Original Message -----  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, March 09, 2001 4:10 PM  
Subject: Re: Baluns

>  
> Dan, I have your call and your name. I will make it a point to delete all  
> mail from you and make sure never to answer your CQ.  
>  
> On Fri, 9 Mar 2001 Shephed@aol.com wrote:  
>  
> > You bunch of incompetent morons call yourselves Hams? Your nothing more  
> than a bunch of CB&#8217;ers, how did you get your license anyway? You  
> should know everything about baluns and need not bother us MENSA members  
> with your silly questions.  
> >  
> > You need to read the ARRL manuals again, got it? I mean come on, use  
> some thought.  
> >  
> > Of course, I&#8217;m just acting like this to prove a point to someone



here.

> >

> > There is no need to belittle someone when answering their question.

> >

> >

> > 72, oo

> > Dan, N8IE

> >

> >

> >

> >

>

> Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

>

-----  
Date: Fri, 9 Mar 2001 18:33:40 -0500

From: "Mike Branca" <w3irz@att.net>

To: <qrp-l@Lehigh.EDU>

Subject: [93623] Re: Baluns

Message-ID: <024001c0a8f1\$61995f80\$5f0b4d0c@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Come on guys lets not get excited here. Most of us use baluns to feed open wire line from single ended tuners. The exact Z is not important as we are going for balance primarily. My experience over 30+ years is that the 1:1 ratio makes for a better utilization of the average tuner. The 4:1 ratio makes a strain on most tuners as they have an easier time with high impedances then the lows. Take, for example, the case where the line is presenting a 50 ohm impedance then the impedance thru a 4:1 balun will be 12.5 ohms to the tuner. Those kind of matches are the ones where power is lost. Think about it.

Then again in individual cases some may find more matches with the 4:1 balun because of differences in our antenna installations using different lengths of feed line and antenna length. The bottom line is that if one is having difficulty in matching then either add more line or change the impedance of the balun. Experience is the best teacher so trying to find the best answer in a book won't necessarily be the answer. Keep trying!

LDG, in the original post, returned the money just to stay out of this

discussion but their balun would have served quite well for its intended purpose.

Mike Branca W3IRZ in Conyers Georgia

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Date: Fri, 9 Mar 2001 18:58:08 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Subject: [93624] 425-DX-News #14  
Message-ID: <CKEGICNFDIMCEKEDCEHFGEIBGFAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

10 March 2001

No 514

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\*\*\* 4 2 5 D X N E W S \*\*\*  
\*\*\*\* DX INFORMATION \*\*\*\*  
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Edited by I1JQJ & IK1ADH

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! Information, reports and suggestions must be sent to:  
!  
!  
!  
! Mauro Pregliasco, I1JQJ: DX information  
!  
! (e-mail i1jqj@425dxn.org - BBS I1JQJ@IK1MJJ.IPIE.ITA.EU)  
!  
! Maurizio Bertolino, IZ1CRR (I1-21171): 425 DX News WWW Pages  
!  
! (e-mail i121171@425dxn.org)  
!  
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/

>>> NEWS FROM WWW.425DXN.ORG <<<

- The 425 DX News DXCC Most Wanted Survey for the year 2001 is up and running  
on our web site - if you want to participate, please go

to

<http://www.425dxn.org/survey/>

- 425 DX News is now also available as a monthly edition (either .doc and .pdf formats) with pictures, DXpedition images etc.
- Do not forget that the opening page features an engine that allows you to search anything you want within the site.

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9M - Mirek, 9V1XE (VK3DXI) will be active (mainly on CW on the usual IOTA frequencies) as 9M8DX/2 from Penang Island (AS-015) between 13 and 15 March. QSL via 9V1XE (Mirek Rozbicki, 7 Seletar Terrace, Singapore 806908).

A5 - Dimitri, RA9C0 plans to operate (on all bands CW and SSB) as A52C0 (hopefully) from Bhutan on 15-21 March. His main activity will take place during the Russian DX Contest (from 12 UTC on 17 March to 12 UTC on the 18th). QSL via UA9DD (P.O. Box 69, Ekaterinburg, 620073, Russia). [TNX The Daily DX]

EA - Pepe, EA5KB plans to be active again from EU-151 on 10 March. Look for him on 12, 17 and 15 metres (21260 kHz). He will be QRV for Asia around 8 UTC and for North America around 14 UTC. QSL via EA5KB.

HK0\_mal - Pedro, HK3JJH will be leaving for another trip to Malpelo the first week of April. QRZ-DX (<http://www.dxpub.com>) Editor Carl Smith, N4AA reports that "he will stay for 30 days this time. Please note that Pedro does not work CW. I have been working with Pedro to try and obtain some financial assistance and other support. I have agreed to be the QSL Manager for Pedro and have made arrangements to have QSL cards donated to him". If you would like to assist

N4AA Pedro in making this trip, you can send your donation to Carl,  
 (P.O. Box DX, Leicester, NC 28748-0249, USA); these funds will  
 be collected in a separate account for Pedro's expenses.  
 Further details are expected in due course.  
 JA - The Toshiba Corp. Fuchuu AMC station JA1YVT will be activated  
 on CW, SSB and RTTY from O-shima (AS-008) on 17-18 March. QSL  
 via bureau to JA1YVT or direct to JA1CKE (Yukio Hoshino,  
 248-1821, Tate, Hachiouji, 193-0944, Japan). [TNX The Daily DX]  
 T8 - Kai, JM1LJS will be active (on 80-6 metres CW and SSB) as  
 T88LJS from Palau on 17-20 March. QSL via JH8DEH (Akira Miyata,  
 4-28-5 Minami, Nishi 23, Obihiro, 080-2473, Japan). [TNX The Daily DX]  
 W - Silvano, KB5GL plans to operate (on 10, 15 and 20 metres SSB)  
 as KB5GL/5 from Ship Island (NA-082) between 14 and 22 UTC on  
 10 March. QSL via KB5GL either direct (Silvano Amenta, 5028  
 Hearst Street, Metairie, LA 70001, USA; contributions are welcome)  
 or through the bureau. [TNX KB5GL]  
 YB - Dayan Sianipar/YC6LAY, Lily Suryani/YB6LYS,  
 Agustinus Ginting/YC6JKV and Zulkarman Syafrin/YC6PLG will be active  
 from Mu(r)sala Island (OC-???) on 15-18 March. They plan to operate  
 on 15 and 20 metres SSB. QSL via YC6LAY (Dayan Sianipar, P.O. Box  
 17, Balige 22300, Sumatera Utara, Indonesia). [TNX YC6PLG]

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 \*\*\* 4 2 5 D X N E W S \*\*\*  
 \*\*\*\* GOOD TO KNOW ... \*\*\*\*  
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 Edited by I1JQJ & IK1ADH

PW0S ---> The final QSO count for the recent PW0S DXpedition to St. Peter  
 and

St. Paul Rocks was around 7,800. "The team (PY7XC, PY7ZY, PT7BZ, PY0FF) arrived at the Rocks on the morning of February 9, finding the sea much too rough to even consider landing", PW0S Coordinator Bill Smith, W9VA reports. "The seas subsided enough on the morning of February 12 to attempt a landing, and they were able to get some equipment ashore and operating by 2100Z. The bad weather continued with high winds, lightning and rain, frequently interrupting operations. Because of the three day delay in landing, by February 16 the group was already way overdue getting home to their families and jobs. Supplies were running out. The weather was such that they could safely get themselves and equipment off the Rocks, and the sensible decision was made to leave." The QSO count "is well below expectations", but they were "7,800 contacts that would have not been made at all without incredible courage and devotion to our hobby. An effort was made to spend at least a little time on all bands and modes, including RTTY". QSL via KU9C. The web pages for PW0S are at <http://www.soutomaior.eti.br/mario/paginas/dx.htm> (logs should be available soon).

QSL D68C ---> Please note that the QSL manager is G3SWH (Phil Whitchurch, 21 Dickensons Grove, Congresbury, Bristol BS49 5HQ, England), not G3SXW.

QSL ZF2LM ---> Jay, AF2C is the QSL manager for ZF2LM. Bureau cards are welcome, direct requests should include an SASE or \$1.00, no IRCs please.  
[TNX AF2C]

QSL VIA IN3ZNR ---> Fabrizio reports he will start processing QSL requests for XW3ZNR and XW3QBR (27 December 2000- 11 January 2001) after 15 March, when he expects to receive the cards from the printer. The address for IN3ZNR

is Fabrizio Vedovelli, Via Gramsci 27, 38100 Trento - TN, Italy.

ST0P ---> DXCC Manager Bill Moore, NC1L reports that ST0P (a "lack of documentation" case) has been approved and cards can be submitted for DXCC credit.

TM1Z ---> Luc, F60YU reports this is the first special TM call legally issued by the licencing authority in France since "more than one year". QSL via F60YU (Luc Hedoin, 1020 route de Frans, 69400 Villeranche, France).

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*** 4 2 5 D X N E W S ***
*** NEWS FROM THE WEB ***
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Edited by I1JQJ & IK1ADH
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BV9L: A photo gallery from the recent BV9L (AS-155) operation is now available on Yuki's (JI6KVR) web site at <http://www3.ocn.ne.jp/~iota/>  
QSL DB: Boye Christensen, OZ7C has updated his QSL DBase (which now contains 281,430 unique records) for Packet Cluster. You can download oz7c0103.exe at: <http://www.muurkrant.com/pi4com/QSLDatabase/index.html>  
A search engine is available at <http://www.hammall.com> [TNX OZ7C, oz7c@qsl.net]

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*** 4 2 5 D X N E W S ***
***** QSL INFO *****
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Edited by I1JQJ & IK1ADH
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CALL	MANAGER	CALL	MANAGER	CALL	MANAGER
3B8/G4BVY	G4BVY	CN8KD	EA5XX	PJ2/K6R0	K6R0

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3D2AA	VE6VK	C08CY	EA5KB	PJ2/W6KK	W6KK
3D2AD	YT1AD	C08TW	IZ8CCW	PJ2K	K6R0
3D2AV	YU7AV	CT9L	DJ6QT	PJ7/ND5S	ND5S
3D2RR	YS1RR	CW0Z	EA5KB	PJ7/W3HNC	KU9C
3D2TT	YU1DX	D2BB	W3HNC	PJ7B	W8EB
3G0Y	DK7YY	D68C	G3SWH	PJ7WB	W8EB
3W2LWS	WA1LWS	DU5/LA7YX	LA7YX	PJ8/W1HL	AA1M
3Y0C	WA4FFW	EA8/DL7AU	DL7VR0	PT2/KC2BAA	OK1FWQ
4H2B	VE7DP	EA8BH	OH2BH	R3/DL7B0	DL7BY
4K6GF	TA2ZV	ED4MLY	EA4IF	R73A	RZ3AA
4K8F	UA9AB	ED5MUC	EA5VM	RZ1AK/p	RZ1AK
4L5T	LY2MM	ED6MVF	EA6ADY	S21YE	G4VLV
4L70	DL7BY	EM1H0	I2PJA	S21YJ	SM4AI0
4U1WB	KK4HD	EN23RW	UX2RY	S79MX	HB9MX
4W/N7R0	pirate	EP3HR	I2MQP	S92DX	W7KNT
5A24PA	PA1AW	FK/F2CW	ZL3CW	SD5DS	SM5BDY
5B4/RA3DJA	RU3FM	FK8GJ	F6CXJ	SU/ZS6WPX	ZS6WPX
5N2BHF	OE6LAG	FM5DN	KU9C	T32RD	OK1RD
5U2K	I2YSB	F0/DL1AWI	DL1AWI	TI4G	TI4JVV
5U3T	I2YSB	F00ARE	HA8IB	TK5KT	F6FNU
5U5A	I2YSB	FS/ND5S	ND5S	TK5XN	F2YT
5W0DA	F6EPY	FS/W3HNC	KU9C	TM5J	F8CI0
5X1Z	SM6CAS	GH0STH	G4DIY	TM5K	F5BGR
6Y5/4S7R0	G0IAS	H44MS	DL2GAC	TX5CW	ZL3CW
6Y8A	WA4WTG	HC2/KG4CIJ	HC2GT	UA1CI0/p	RZ1AK
7X2R0	OM3CGN	HC8Z	NE8Z	UA1PBP/9	RK1PWA
8P5A	W2SC	HH2SJR	KZ5R0	UA6CT/6	RK6AXS
8P9AP	K2WE	HI3/OK2ZU	OK2ZU	UN7JC	K8BTH
8P9JA	K4MA	HI9/DJ7ZG	DL7AFS	UN9LFF	LZ1YE
8P9JB	AA4NC	HI9/DL7AFS	DL7AFS	V31GI	PA3GI0
8P9Z	K4BAI	HP1/F5PAC	F5PAC	V5/DJ7XG	DJ7XG
8Q7CR	DF5JR	HV4NAC	IK0FVC	VI3GP	VK3ER
9G0ARS	IK3HHX	HZ1AB	K8PYD	VP2EF	AC8G
9G1AA	PA3ERA	II2R	I2RFJ	VP2EM	N6JRL
9G1MR	IK3HHX	II9F	IT9FXY	VP2E0	WD8MQJ
9G5EP	IK3BNO	I07C	I7PXV	VP2EX	N8JE
9K2ZZ	W8CNL	IQ7J	IK7JWX	VP2MDY	NW8F
9M0M	K7XN	IQ8S	IZ8DBJ	VP5/K4CN	N2AU
9M6AAC	N200	IR2G	IZ2BHQ	VP5/K4ISV	N2AU
9M6DBT	WN7J	IR4R	IK4ALM	VP9/W6PH	W6PH
9M6MBT	WN7J	IV3JWE	IV3VBM	VP9KK	K1EFI
9V1GA	JA4BJ0	J37B0	K4LTA	W4D	W5UE
9V1XE	DL4DBR	J37LR	VE3EBN	WP3A	W4DN
9Y4/DL2RVS	DL2YY	JD1BCK	JM1TUK	XA5T	N5TU
A35BQ	I6BQI	JW3FL	LA3FL	XU7ABQ	DK6ST
A35SC	JA0SC	JY4NE	K3IRV	XU7ABS	DL1DA
A41KJ	N5FTR	KH0/JH1XYR	JH1XYR	YB0GJS	K5ZE
A61AQ	N1DG	KH0WW	JP1IOF	YC1WAE	K5ZE

B7K	W2AY	LX/PB5CW	PA1TO	Z31JA	NN6C
BD7NQ	W2AY	M0SDX	UT2UB	ZF2AH	W6VNR
BD7NQ/7	W2AY	OH0Z	OH1EH	ZF2MU	K4BI
BQ9P	KU9C	OT1H	ON4ACT	ZK1EPY	F6EPY
BV9L	BV4YB	P40W	N2MM	ZK2BQI	I6BQI
C56/DL20E	DL20E	P49MR	VE3MR	ZK3HC	DL9HCU
C56/DL7CM	DL7CM	P49V	AI6V	ZL4CC	G3PJT
C56RF	G3NKO	PI50Z	PI4KGL	ZP5/DK7PE	DK7PE

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\*\*\* 4 2 5 D X N E W S \*\*\*

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End of QRP-L Digest 2121

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